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The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3065
VOL. CXXIX

NOVEMBER 5, 1938

Annual Subscription (with
Diary) 20/- Single Copies 9d.

THE NICEST WAY OF TAKING
HALIBUT LIVER OIL

HALIBORANGE

DISPLAY
HALIBORANGE

in your window and on your
counter and link up with the
national advertising campaign
now running.

Introduce it to your cus-
tomers as *the nicest way*
of taking halibut-liver
oil, and you will rapidly
create a regular and
surprising demand.

The attractive showcard
illustrated will be sent
on request.



Telephone:
Bishopsgate 3201 (12 lines)

Telegrams:
Greenburys Beth London

ALLEN & HANBURYS LTD - LONDON - E.2

Index to Advertisers, pp. 5 & 6.



A Profitable Pharmaceutical Lozenge

THAT WILL
SELL NOW

SEND
for
TERMS

MENTHOLATED
**BRONCHIAL
LOZENGES**
PARKE, DAVIS & CO LONDON.

PARKE, DAVIS & CO., 50, BEAK ST., LONDON W.1.

Show Elasto — IT Sells on Sight!



One Shilling and Threepence Profit on Every Sale!

ELASTO Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few Elasto cartons displayed in your window will bring most gratifying results. You can recommend Elasto with confidence for: Varicose Veins, Bad-Leg, Hardened Arteries, Heart Troubles, Bad Circulation, etc. A Tablet Remedy, easy to handle and reliable.

Retail Price 5/- per pkt. Wholesale 45/- per doz.

P.A.T.A.

SHOW MATERIAL GLADLY SENT FREE ON REQUEST

The NEW ERA TREATMENT CO. LTD.
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

A Special **BONUS OFFER**

**One extra bottle FREE
with every 12 you order**

ON

HINDS

HONEY AND ALMOND

CREAM

*The most famous of preparations
made specially for the hands*

This is the season of chapping and chafing, when Hinds Honey and Almond Cream sells better than ever, because people are needing more, using more, *buying* more. So besides planning advertising, we're giving a goodwill fillip to your profits by putting in one bonus bottle free with every complete dozen you order—whatever the size. Of course prices per dozen stay just where they are—4/6, 8/- and 16/- per dozen *plus one*.

PROFITS ON TURNOVER

**31% - 42% on 6d. size : 39% - 48% on 1/- and 2/-
sizes on wholesale quantities—**

by far the greatest profits on these quantities offered you by any hand cream. Hinds too is easily the largest selling hand lotion! Such profits, such turnover make Hinds well worthy of display.



TO

LYSOL LTD Raynes Park, London, S.W.20

(or usual wholesaler)

On the understanding that I will make the fullest possible use of the display material enclosed with the package—for 14 days—

Please send me :

.....Doz. 6d. Size	} HINDS Honey & Almond CREAM
.....Doz. 1/- ..	
.....Doz. 2/- ..	

Complete Dozens for Bonus

Deliver to.....

Address

Signed.....

The Offer holds good during NOVEMBER only.

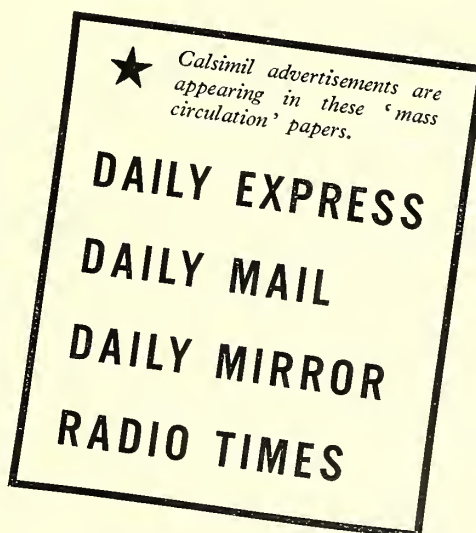
BEGINNING THIS WEEK

NATIONAL PRESS ADVERTISING WILL DEVELOP INCREASING SALES OF Calsimil FOR CHILBLAINS

WITH THE COMING OF THE COLD SEASON, chilblains are a common complaint, particularly among women and children. The many people who suffer from this annual trouble are bound to be interested in the advertisements telling how Calsimil — the calcium sodium lactate tablet containing vitamin D — prevents and cures chilblains.

Guided by the experience of our previous winter campaigns, we are confident that this new advertising will result in still bigger sales of Calsimil.

We invite your co-operation to our mutual advantage. Please order your stock of Calsimil in readiness for the increased demand. Striking showcards, making a very effective display for window and counter, will gladly be sent to you on request.



Retail price 2/6 per bottle of 60 tablets • Wholesale price 20/- per dozen net P.A.T.A. • Display Terms "13 to the dozen."

THE BRITISH DRUG HOUSES LIMITED LONDON N.1

EXTRACTS

**TINCTURES RESINOIDS
OLEO-RESINS MEDICINAL RESINS**

**ALOIN, CASCARIN, ERGOTIN,
CAPSICIN, GINGERIN**

**LEPTANDRIN, EUONYMIN, HAMAMELIN,
CAULOPHYLLIN, CIMICIFUGIN, HYDRASTIN**

**EXTRACTS OF ERGOT, CASCARA,
LIQUORICE, IPECACUANHA**

**LACTUCARIUM, STYRAX,
RUBBED PARSLEY, LIQUOR RHOEADOS**

WILLIAM RANSOM & SON

ESTABLISHED 1846

Ltd.

Manufacturing Chemists

HITCHIN near LONDON

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(Continued overleaf.)



Extra SALESMEN TO SELL BRAND'S in your shop

*and they cost
you nothing*

You are too busy to keep an eye on every potential customer to enter or linger by your shop. That is why the new display and sales promotion material has been planned, to keep Brand's Essence constantly before your public.

Build up really compelling window displays with these attractive units, which are in natural colours. Focus customers' attention at the most important point of all—your counter. Take every opportunity to create record sales from the widely spread National advertising of Brand's Essence. Let BRAND'S window and counter salesmen work in *your* shop. The coupon below will bring you supplies FREE OF COST.

The Display Unit is in natural colour and is quite ready for use without assembling. It incorporates six dummy cartons of Brand's Essence, thus avoiding stacking and soiling your own stock. There are also three gaily COLOURED SHOWCARDS which hang or stand; and a set of FOUR CROWNS for Brand's Essence cartons.

POST THIS COUPON NOW

Please send me at once, and free of charge, display material as under.

.....three-dimensional Display Stand(s)

.....Set(s) of coloured Showcards.

.....Set(s) of Crowns for Brand's
Essence Cartons.

Name.....

Address.....

BRAND & CO. LTD., Mayfair Works, Vauxhall, London, S.W.8

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When you tender for **Disinfectants**

to Hospitals, Public Institutions, Local Councils, &c.
REMEMBER that

BURT, BOULTON & HAYWOOD LTD. Managers to
the **PRINCE REGENT TAR COMPANY, LTD.**

give you special terms for contracts.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 10/12, 18/20, 20/22, 24/26.

Lysol B.P. Quality. Pine Disinfecting Fluids.

Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.

Carbolic Sheep Dips, approved by the Ministry of Agriculture under the Sheep Scab order.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

SAMPLES AND PRICES ON APPLICATION TO

PRINCE REGENT TAR COMPANY, LTD.

(Managers: **BURT, BOULTON & HAYWOOD, LTD.**)

BRETENHAM HOUSE, WELLINGTON STREET, STRAND, LONDON, W.C.2

Phone: Temple Bar 5801 (5 lines)

Telegrams: "Burboul, Rand, London"

Carbolic Disinfecting Fluids, Rideal Walker Co-efficients 2 to 20
Liquid Carbolic and Cresylic Acid, Dark 95/97% and Pale 97/99%.

Sulphur Candles. Formaldehyde (Formalin) 40% Solution

Formaldehyde (Formalin) Tablets. Liquid Soaps

SOLUBLE Carbolic or Pine Blocks for road watering vans

Carbolic Weed Killer, etc.

For Christmas Sales display and recommend *Houbigant Perfumery*

It brings :

- unusually high profits — satisfied customers
- repeat business — dignity to your displays



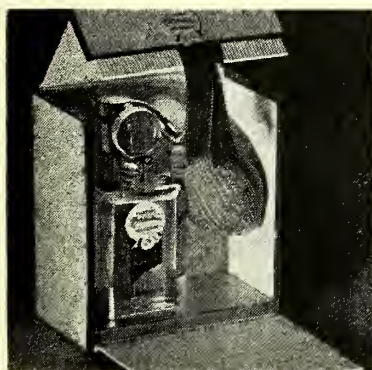
Christmas Gift sets
QUELQUES FLEURS
6/- and 10/6



QUELQUES FLEURS
silk ecrins
from 8/6



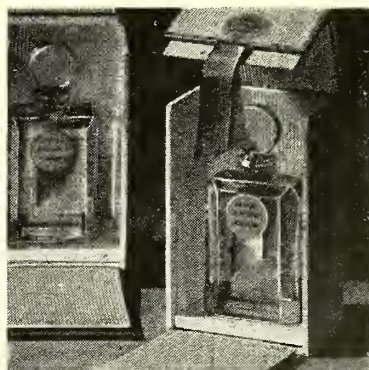
Coffret de Luxe
QUELQUES FLEURS
22/6



Parfums
DEMI-JOUR, FLORAISON, PRÉSENCE
Model with spray
13/6



QUELQUES FLEURS, LE TEMPS DES LILAS,
BOIS DORMANT, AU MATIN, etc.
from 4/-



The latest creations
DEMI-JOUR, FLORAISON, PRÉSENCE
now at a price within the reach of all
9/-

order now
in good time for Christmas

HOUBIGANT Preparations are obtainable
from your usual Wholesaler or direct from
PARFUMERIE HOUBIGANT
19, RUE DU FAUBOURG ST-HONORÉ, PARIS

THE PERFUMERY MARKETING CO
Princes House
190, PICCADILLY, LONDON W.1.
will be pleased to reply to any enquiry.



ESTABLISHED
1904

Specialists
in the manufacture
of
Tablets
and
Pills

Over 30 years of Specialised
Manufacturing Experience
assure you of

QUALITY and ACCURACY

Our PRICES are COMPETITIVE

"Own Brand" printing for packed lines if required

Special Quotations for **Wholesale Quantities**
or **Export**, packed or in bulk

PROPRIETARY REMEDIES

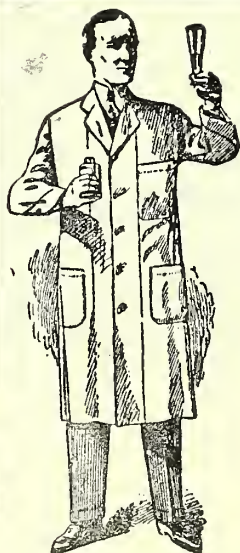
We exercise the greatest care in the manufacture
of proprietary lines and can supply either in
bulk or ready packed for market including
printing special designs of labels and cartons

The
Cooper Laboratory
Watford

Telephone :
3612

Telegrams :
"Science"

GARDINERS for OVERALLS



ALL TYPES OF PROTECTIVE CLOTHING

Shop Coats, Jackets,
Overalls, Acid - Proof
Garments (made to
order), Cloth & Rubber
Aprons, Rubber Boots,
Clogs.

*Garments made to Special
Designs.*

*Send P.C. for NEW
Illustrated Catalogue*

GARDINER & CO. (THE SCOTCH HOUSE) LTD.
1, 3 & 5, COMMERCIAL RD., LONDON, E.1
PHONE : BISHOPSGATE 6751

To BUYERS of TRUSSES !

The most complete up-to-date facilities for the manu-
facture of **RUPTURE APPLIANCES** of every known
English and American pattern are operating at

BLACK BULL WORKS,
MARKET ROAD, LONDON, N.7

Hard Rubber, Celluloid, Leather and Mole

Covered and Elastic Band Trusses, under the

"MASTER"
BRAND
TRADE MARK



are sold in all
Markets of the
World.

"KO-RALLIUM." A new flexible covering
for Steel Springs. **It is Something Different !**

PERFUMERY BOTTLE WICKERERS in RAFFIA
or **SILK**, plain or fancy, wide range of designs.
Own bottles wickered at moderate cost.

Suspensory Bandages and Jock Straps

We offer distinctive lines of outstanding value. Our
weaving sheds allow of all intermediate profits being
passed to our customers.

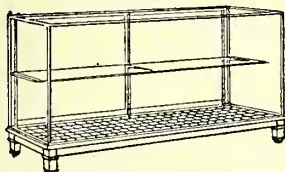
Write for sample range at Special Rate, then compare.

F. SCHUTZE & CO., LTD.
Black Bull Works, Market Road, London, N.7

KING'S

MODERN PHARMACY FITTINGS

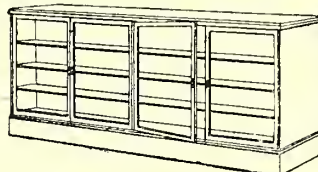
The requirements of a Modern Pharmacy need most careful and minute attention ensuring the correct pharmaceutical atmosphere. After many years of experience, we are in a position to offer you suggestions, and at the same time co-operate in embodying your own personal ideas in the general scheme of fittings. No matter



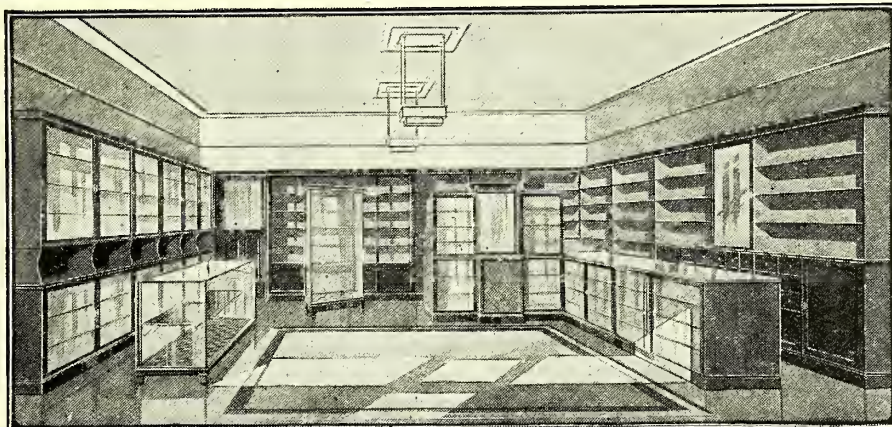
Glass counters with oak or mahogany frames from £6 : 15 : 0.

how large or small your intended alterations may be, our representative will be pleased to wait upon you and submit estimates, etc.

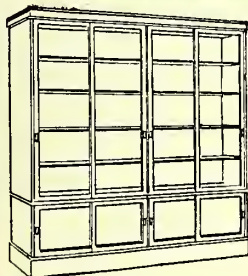
We would welcome a visit from you at our Showrooms, where a Complete Range of Modern Fixtures is always on view.



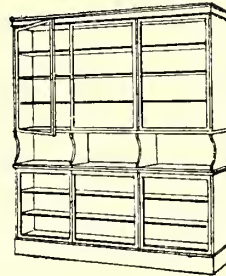
Glass-fronted counters with oak or mahogany frames from £8 : 5 : 0.



A Pharmacy can now be equipped with a Complete Range of Modern Fixtures from £75 : 0 : 0. We will be pleased to submit sketches for your approval without obligation.



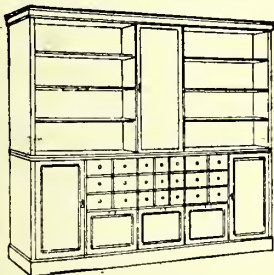
Wall showcase with oak or mahogany frame from £14 : 0 : 0.



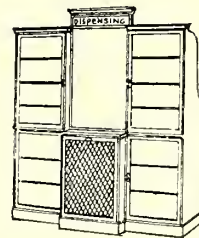
Wall showcase with oak or mahogany frame from £13 : 10 : 0.



Silent salesman showcase.
Oak or mahogany frame
from £9 : 0 : 0.



Drug run with oak or mahogany frame from £21 : 15 : 0.



Dispensing screen with oak or mahogany frame from £15 : 0 : 0.

We have just published a New 100 page Illustrated Catalogue of Fixtures and Display Fittings No. 1013 which we will be pleased to forward post free on application

J. C. KING Ltd.,
Modern Shopfitters,
42-60 GOSWELL ROAD,
LONDON, E.C.1.

Telephones :
CLERKENWELL 2316
(Private Branch Exchange)

Telegrams :
MAINBOOM,
LONDON.

Caradium

HAIR RESTORER

The Recognised Preparation for Restoring Grey Hair. IT IS NOT A DYE

CARADIUM enjoys a wonderful popularity with the Public as a unique preparation that is really SAFE and EFFECTIVE for restoring the colour to grey or faded hair. It contains radio active water that ensures success when other treatments fail.

CARADIUM is NATIONALLY ADVERTISED. Make sure you have sufficient stocks of this seller.

Retail prices 4/- and 7/6. Wholesale, 25% allowed on $\frac{1}{2}$ Dozen and over.

CARADIUM REGD., 38 GT. SMITH STREET, WESTMINSTER, LONDON, S.W.1

DISEASES and REMEDIES

Entirely up-to-date

1936 **7/6** Edition

Revised and brought up to date, "Diseases and Remedies" provides a host of Formulas which are in accordance with the foremost medical opinion. Reference is made easy and rapid by the alphabetical arrangement of diseases. Remedies and treatments are thus promptly found.

You can secure a copy by return of post for remittance value 7s. 10d. to The Publisher.

The
CHEMIST AND DRUGGIST
28 ESSEX STREET, STRAND, LONDON, W.C.2



Dental Surgeons are recommending this toothbrush widely because the small and short head, through its adjustability, penetrates to all teeth, particularly behind the teeth, and reaches all neglected areas of the mouth. Handles are permanent — refills sold separately. Full particulars and generous trade terms from Sole Distributors for U.K. & I.F.S.

M. NEWMARK & CO.

5 RED LION COURT, CANNON ST., LONDON, E.C.4 Phone: CITY 5625/6

—the ONLY TOOTHBRUSH
WITH ADJUSTABLE
HEAD
& INTERCHANGEABLE
REFILLS
which creates a
continuous demand

CHEMIST SIGNS

BUY DIRECT FROM THE ACTUAL MAKERS

NEON SIGNS

PRICES ON APPLICATION

Send for illustrated catalogue

SCINTILLATING SIGN SERVICE

3-5 Colebrook Pl., ISLINGTON, N.1

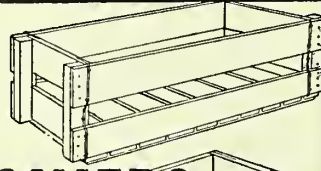
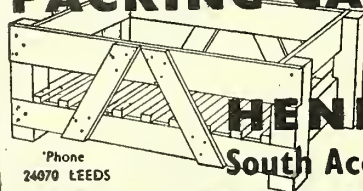
Telephone: Canonbury 2010



BOTTLE BOXES

of all kinds

PACKING CASES, CRATES, DRAINERS, etc.



HENRY HADFIELD, Ltd.

South Accommodation Rd., HUNSLET, LEEDS, 10

'Phone 24070 LEEDS

Grams: PACKING PHONE, LEEDS



A PROFITABLE RANGE FOR CHRISTMAS

THE many lines produced by Ebe are simply "made" for Xmas. These attractive and originally packed designs make them easy sellers. In fact, you need only display Ebe lines and they sell themselves. There is an Ebe gift for every purse and every person—from the 6d. Silver Sachet in its Christmas envelope, to the more expensive sizes of Bath Powder, Bath Flowers and Bath Milk, which run from 2s. to 60s.

PRICES.—Bath Confetti 3/6, 5/9, 10/6. Bath Flowers 2/-, 3/9, 5/-, 10/6. Bath Milk 2/6, 4/6, 6/6, 10/6. Bath Powder (In Silver Sachets) 6d. 1/-; (In "Cellophane" Tubs) 2/6, 6/6; (In Bowls) 15/6, 25/-; (In Small Jars) 4/6, 8/-, 15/6; (In Large Jars) 30/-; also 2/- Greetings Box and 2/6 Guest Box. Dusting Powder 3/6.



STOCK UP NOW WITH
— A fine investment. Good profits
and a quick turnover!

Ebe

EBE PRODUCTS LTD · 11 DIANA PLACE · LONDON · N.W.1 Phone: EUSTon 3271



Our Xmas Gift Display

W.55

For your Xmas Gift requirements, either personal or for resale, we have an extensive display of most seasonable gift items.

You are cordially invited to visit our Showrooms to inspect the large and well-varied range of Perfumes (the latest and most popular makes), Coffrets, Clocks, Brush Sets, Manicure Sets, Sprays, Ladies' Hand Bags, Cut Glass, Pottery Ware : Enamel, Ebony, Pewter, Shell and Silver Goods ; Cameras, etc.

WOOLLEY'S

Early attendance is advisable, as many of the items cannot be repeated.

JAMES WOOLLEY SONS & CO., LTD., Victoria Bridge, MANCHESTER, 3



Rat Week November 7th....12th

Check your supplies of **LIVERPOOL VIRUS**

The annually organised Government Rat Week is scheduled this year for November 7th-12th. During this week the sales of Liverpool Virus reach stupendous heights and we ask you to make sure your stock is adequate. Liverpool Virus is the *safe* method of exterminating rats and mice, and being a bacteriological product, it is essentially the Pharmacist's own rat and mouse exterminator.

You'll get our full support

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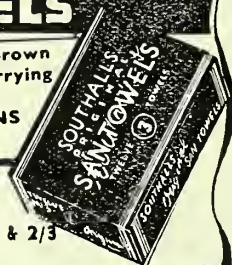
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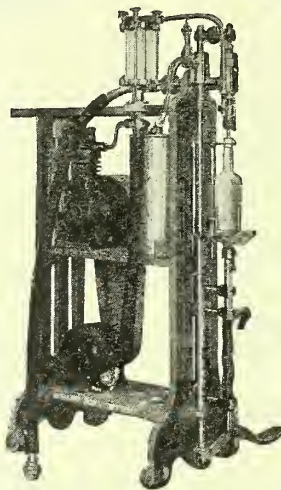


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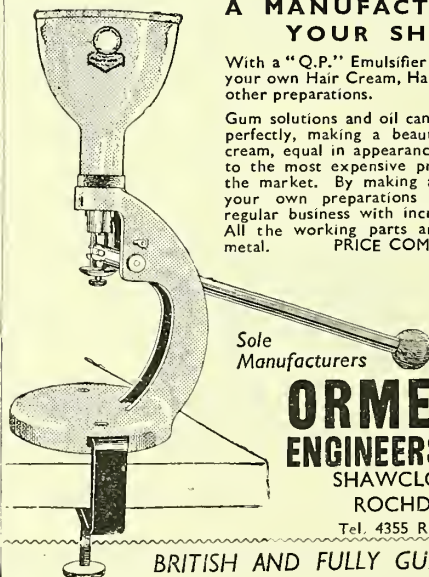
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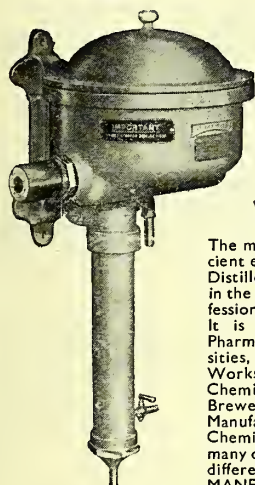


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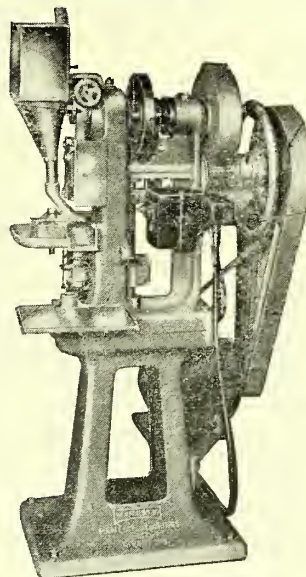
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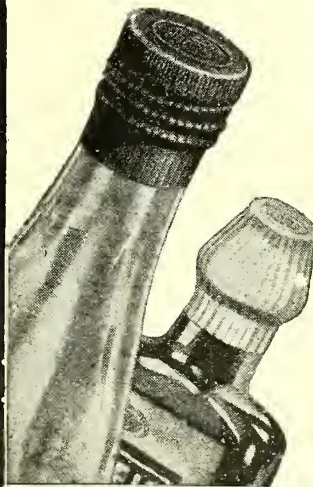
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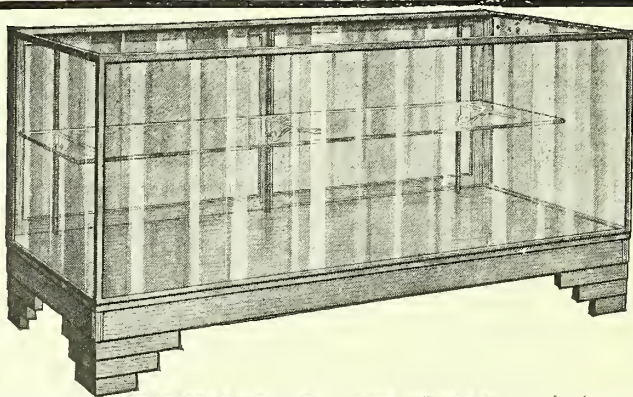
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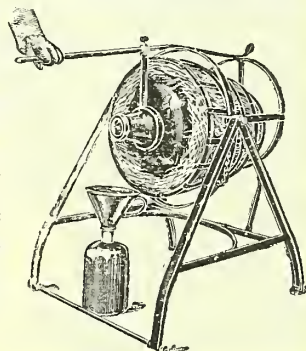
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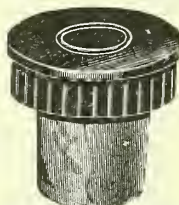
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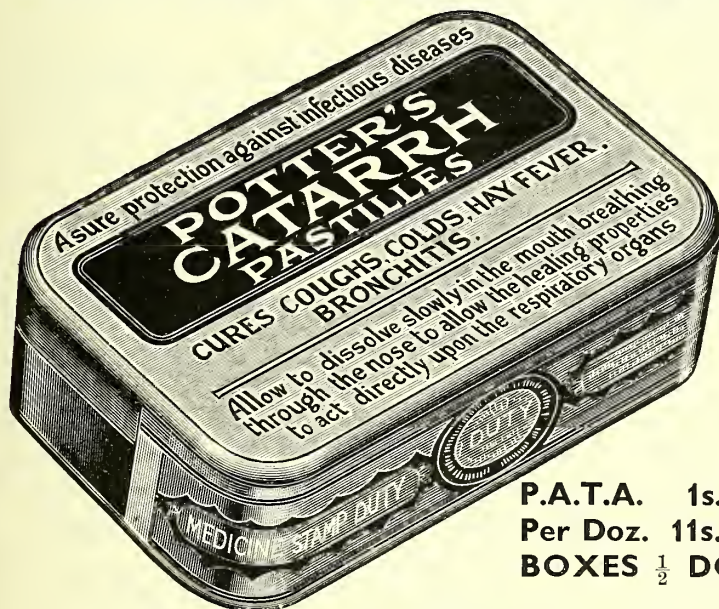
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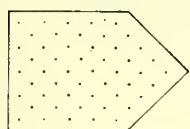
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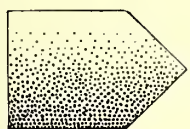
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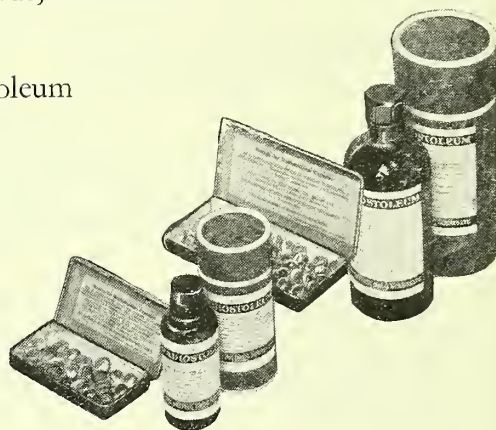
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Business Changes

ALLCOCK MANUFACTURING CO., have moved from 22 Hamilton Square to 4-8 Argyle Street, Birkenhead; telephone: Birkenhead 5505.

TWEEDSIDE INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., will shortly open drug and optical departments at Berwick-on-Tweed.

Proprietary Articles Trade Association

ADDITIONS TO PROTECTED LIST.—Boncilla Laboratories, Ltd., (distributors, J. C. Gambles & Co., Ltd.), Boncilla restorative cream, 3s., 24s. doz. Pinaud, Ltd., Set-Up pre-shave lotion for electric razors, No. 120, 3s., 24s. doz. Tonicream quinine tonic hair cream, 1s. 6d., 12s. doz. Opera perfume No. 55042, 10s., 80s. doz.; No. 55043, 15s., 120s. doz.; No. 55044, 20s., 160s. doz. These prices also apply to "Brise de Mal" perfume, Nos. 55007/08/09. Assorted perfumes, No. 56000, 2s. 6d., 20s. doz.

ALTERATIONS.—Bayer Products, Ltd.; until December 31, 1938, retailers ordering three doz. 1s. 3d. size Panflavin tablets will receive a bonus of fourteen to dozen in return for display. Henry Tetlow & Co., Ltd., tissue and cleansing creams, 1s. 3d., 10s. doz. Wright, Layman & Umney, Ltd., Wright's fruit saline, 1s. 3d., 10s. doz.; 10½d., 7s. doz., less 2½ per cent. cash one month.

DELETIONS.—Rapidol, Ltd, Inecto Rapid, 12s. 6d. S. Sigal & Co., Ltd., Galjado scurf and dandruff lotion, hair colour restorer, and grey hair pomade.

Brewers' Exhibition

Exhibits ranging from bottle caps to automatic bottle-washing machinery capable of treating 1,000 dozens of bottles per hour were being shown at the Brewers', Maltsters', Distillers' and Allied Traders' Exhibition and Market held at the Royal Agricultural Hall, Islington, London, N.1, from October 29 to November 4. Special interest was centred on a small motor van designed as a travelling service laboratory and equipped for on-the-spot analyses in breweries and bottling stores. Equipment for the brewing industry included bottling, crowning and labelling machines, refrigeration and air-conditioning plant, malt, essences, finings and other brewing materials. Hotel and restaurant furniture and licensed victuallers' fittings and sundries were also shown on many stands. Among the firms exhibiting were:—BRITISH ESSENCE CO., LTD., W. J. BUSH & CO., LTD., THOMAS HILL ENGINEERING CO. (HULL), LTD., NATIONAL CASH REGISTER CO., LTD., GEORGE PORTEUS & SONS (LEEDS), LTD., SPONCEL, LTD., TENZ, LTD., UNITED GLASS BOTTLE MANUFACTURERS, LTD.

Bath

NEW OFFICERS.—The annual meeting of the Bath Branch of the Pharmaceutical Society was held on October 19, Mr. W. J. Hallett in the chair. Reports of the secretary and treasurer

were passed, and the following officers were elected:—Mr. D. J. Williams, B.Sc., *President*; Mr. Luther Wilson, *Vice-President*, and Mr. R. H. Moore, *Treasurer*. The secretary (Mr. E. C. Haskins) requested the meeting to accept his resignation, as he was anxious to devote more time to National Pharmaceutical Union duties and the furtherance of the Chemists' Friends scheme. The meeting then elected Mr. W. J. Hallett *Secretary*. Mr. Hallett, returning thanks, said he looked forward to a busy time in view of the visit to Bath of the British Pharmaceutical Conference in 1940. Mr. Lionel Williams was elected *Assistant Secretary*. *Committee*, the above, with Miss Ozzard, Messrs. J. Aspell, T. J. Cornish, H. T. Doble, J. P. Grater, E. C. Haskins, W. Heseltine, C. Jenkin, C. L. Jenkin, G. T. Kingston, B. Olive, E. Rogers, T. Swain and E. Williams.

Bradford

A.R.P. PLANS.—A meeting of the Bradford District Branch of the Pharmaceutical Society was held on October 11, Mr. J. A. White, junr., in the chair. The secretary (Mr. N. Best) outlined the steps taken by the Branch in connexion with local Air-Raid Precaution work. He explained that branches had first been told not to offer their services until some scheme had been worked out between the Society and the Home Office. A pamphlet drawn up by the Society and the Home Office, giving general details of an A.R.P. scheme, had been issued, and secretaries instructed to get in touch with their local A.R.P. officer and offer the services of pharmacists on these lines. In the matter of A.R.P. schemes Bradford was lagging behind many other towns; he had been unable to obtain concrete evidence that pharmacists would be incorporated in the local scheme. After further interviews it was decided that pharmacists should be trained for the first-aid services but, owing to shortage of instructors, six members were to be trained, who would pass on their knowledge to the remaining members. This course was approved by the meeting. It was decided to hold a further meeting of proprietor pharmacists with a view to pharmacies being used as minor dressing stations in the event of war. After this business the meeting was shown two films, "Modern Methods of Anaesthesia" and "Olympic Games, 1936," by Bayer Products, Ltd. Mr. Richardson proposed and Mr. Kirby seconded a vote of thanks to Messrs. Bayer, and Mr. R. Edenborough (northern manager, Bayer Products, Ltd.) replied, giving a brief outline of the history of his company.

Brighton and Hove

AMALGAMATION PROPOSAL WITHDRAWN.—The annual meeting of the Brighton and Hove Association of Pharmacy was held on October 27, Mr. W. G. Northey presiding. The annual report and balance sheet was adopted and the following officers were elected:—*President*, Mr. C. V. Brumwell; *Vice-*

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Presidents, Messrs. H. F. Foster, R. G. Mumford, W. G. Northey, G. H. Phillips; **Secretary,** Mr. G. H. Phillips; **N.P.U. Secretary,** Mr. H. F. Foster; **Treasurer,** Mr. H. R. Gwatkin; **Librarian,** Mr. H. B. Mackie. The following were elected to the committee:—Miss Frieda Kielsen, Messrs. L. L. Banks, T. S. Birch, W. L. Chatfield, T. Rees Morgan, J. Stuart Padwick, and R. A. Shimmmin. A discussion followed on the advisability of amalgamating with the local Branch of the Pharmaceutical Society, Mr. A. J. Franklin, who introduced the discussion, finally withdrawing the motion.

Chatham

CHEMISTS' ADVERTISING.—At a meeting of the Medway Branch of the Pharmaceutical Society held on October 12, Mr. D. Hughes in the chair, Mr. F. C. Goodall, Ph.C., spoke on "The Huddersfield Propaganda Scheme." Under this scheme, he said, a short article is inserted as an advertisement in the local paper. The "copy" is different for each insertion and is in the form of a short article based usually upon a topical subject. The articles are written by a pharmaceutical chemist, and a weekly service of these articles is at the disposal of every one of the Society's branches throughout the country, free of charge. At the close of the address, it was proposed by Mr. W. di G. Barker and second by Mr. J. E. French that the Medway Branch should adopt the scheme; the motion was carried. A vote of thanks to Mr. Goodall was proposed by Mr. A. Deans.

Ipswich

PHARMACISTS AT ST. LUKE'S DAY SERVICE.—Mr. L. Piper (chairman) and Mr. J. C. Wiggins represented the Ipswich Branch of the Pharmaceutical Society at the St. Luke's Day service for doctors, chemists, dentists, masseurs, nurses and all connected with medical services at the church of St. Mary-le-Tower, Ipswich, on October 22.

LECTURE AND THREE FILMS.—A lecture was given to the members of the Ipswich and District Branch of the Pharmaceutical Society on October 24 by Dr. Booth, B.Sc., Ph.D., on "The Story of Cod-Liver Oil." Two talking and one silent films accompanied the lecture, which dealt with the production of cod-liver oil and its addition to the diet in cases of malnutrition. The chairman (Mr. L. Piper) expressed the thanks of those present to Dr. Booth and to British Cod-Liver Oil Producers, Ltd.

SHOP-OPENING PRIZE COMPETITION.—In connexion with the opening of a new branch at 14 Dial Lane, Ipswich, Mr. G. W. Hales, chemist and druggist, held a competition which invited the public to "make sense out of nonsense." Prizes of £1 and five of ten shillings were awarded to competitors who correctly compiled the sentence "Hales' new shop is in Dial Lane" from jumbled letters. Entries were opened at the appointed time by the Mayoress, who was afterwards presented with a bouquet and a bottle of perfume.

Leeds

COMBINED BRANCHES' DINNER.—The annual dinner promoted jointly by Leeds Branches of the Pharmaceutical Society and the National Pharmaceutical Union took place on October 26. The chairman of the dinner has for some years been supplied alternatively by the branches. This year's chairman (Mr. W. F. H. Kemp) has been the first person to occupy the chair of both branches in the same year. About 150 members and friends were present. The president of the Pharmaceutical Society (Mr. Thomas Guthrie); chairman, N.P.U. Executive (Mr. S. J. Stearn); Mr. Arthur Mortimer (secretary, Wholesale Drug Trade Association); and Mr. J. A. Atkinson (secretary, Leeds Insurance Committee) were the chief guests. Bradford, Halifax and Huddersfield branches were represented, and there were representatives of thirty wholesale houses. Proposing the toast of the Pharmaceutical Society, Mr. Arthur Mortimer made special reference to the instructions issued to chemists by the Home Office and endorsed by the Society. There were some in the craft who had doubts on the wisdom of that policy and as to whether there might be other services the qualified chemist could render with the aid of his specialised knowledge. He was interested to learn that seventy-five members of the Leeds branch had gone through training as Air-Raid Wardens. They believed that when the local authority came to plan details of emergency service they would, having proof of the willingness of the chemists, endeavour to make full use of their scientific knowledge. He hoped the Pharma-

ceutical Council and the Home Office would have taken due note of this with a view to formulating some such scheme among chemists throughout the country. The president of the Pharmaceutical Society (Mr. Guthrie), in reply, agreed that these were serious times and complimented chemists on their public-spirited desire to be of service in accordance with their special qualifications. He would only remind the gathering that whilst a comparatively small local machine could move quickly it was not always possible for movement to be quite so rapid in a big machine on a national scale. That factor had existed in the Society's relationships with the Government in regard to A.R.P. Mr. Guthrie said a visit to Leeds brought memories of the late Mr. F. Pilkington Sargeant, and that brought to mind the scheme for new headquarters. Mr. Sargeant had envisaged the need of better headquarters years ago if pharmacy were to have its proper influence on the public mind. In a year or so that vision would probably be realised in stone. It was not going to be the extravagant palace alleged by critics. Mr. J. A. Atkinson (clerk to Leeds Insurance Committee) proposed "The N.P.U.," and spoke of the pleasure it would now give him to be able to pay chemists' accounts in full. It was not in the best interests of pharmaceutical service that there should be deductions. Mr. Atkinson voiced personal appreciation of the helpfulness of Mr. E. Buckley (secretary, Leeds Pharmaceutical Committee) and the secretaries of the two branches (Mr. G. C. Crummack and Miss F. Cousins). Mr. S. J. Stearn (chairman, N.P.U. Executive) paid tribute to the work of the Leeds branch of the N.P.U. and, recalling the active work of the late Herbert Gilleghan, both locally and on the N.P.U. Executive, congratulated Leeds on its new Executive member (Mr. T. Heseltine). The chairman (Mr. Kemp) proposed "The Ladies and Visitors," and Mr. Harold G. T. Read (a director, Hirst, Brook & Hirst, Ltd., Leeds) responded. Mr. J. H. Gough (a past-chairman, Leeds Pharmaceutical Society branch), giving a toast to the chairman, spoke appreciatively of the enthusiasm of a man who could tackle the chairmanship of both branches at the same time. The chairman, in responding, paid tribute to the helpfulness of his committee colleagues and of the two secretaries. Dancing followed from 9.30 to 1 o'clock.

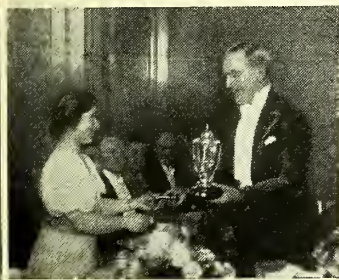
London

HALLOWE'EN PARTY.—The National Association of Women Pharmacists held a Halloween party at 17 Bloomsbury Square on October 31. The president (Miss E. B. Blundell) greeted the guests and Mr. Peter Irvine was Master of the Revels. Light refreshments were provided by the women pharmacists themselves, and games, guessing competitions and music were on the programme. The entertainers included Mr. Peter Irvine and Mr. J. C. Young (humorous monologue). Prize-winners in the various competitions were Miss Pearson, Mesdames Firth and Richard, Messrs. S. Cornford and Firth.

JOINT MEETING.—The Western Pharmacists' Association and National Association of Women Pharmacists joined forces on October 26, in accordance with a practice of several years' standing, to hear an address by Dr. A. Crawford on "The Nutritional Aspect of Disease." In the chair was Miss Blundell (president, N.A.W.P.), who was supported by Mr. D. R. Evans (vice-president, W.P.A.), Mr. Clifford Evans, and Miss Gwendolen Hindes (secretaries of the respective Associations). Introducing the speaker the chairman stated that Dr. Crawford was a pharmacist and an authority on dietetics. Dr. Crawford discussed the relative importance of proteins, fats, and carbohydrates, and the methods adopted by the body for their digestion. He examined the probable effect of excess or deficiency of any one class of food, and critically examined the Haigh system of diet. Questions followed on a variety of nutritional problems and all were clearly and extensively replied to by Dr. Crawford. A vote of thanks to the speaker was proposed by Mr. D. R. Evans, seconded by Miss Jacobs and supported by Mr. C. A. Noble.

FUNGI IN INDUSTRY.—The opening meeting of the twenty-seventh session of the North London Pharmaceutical Association was held on October 18, Mr. H. Skinner, president, in the chair. The secretary gave a report of A.R.P. progress in the area (*C. & D.*, October 22, p. 436). Mr. Hayward announced a C.F. programme for the winter months, and gave a summary of the Conference delegates meetings. Mr. H. Berry, B.Sc., Ph.C., then gave an address on "The Use of Fungi in Industry." He drew attention to examples of fungoid action of pharmaceutical interest, in which mucilage turns acid, oils

become rancid, and alkaloidal salts are inactivated. Advances in cosmetics showed a greater need for suitable fungistatics and fungicides in their formulation. It was fortunate, he said, that, unlike bacteria, there were no pathogenic fungi with which industry had to deal. Moulds will grow under conditions and upon substances unsuitable for bacteria, such as in acid solutions and upon starchy materials. Thus insulin solution and pituitary extract, with an acidity of about pH , offer no possibility of bacterial growth, although fungal spores will develop. Liquor arsenicalis has given much trouble since 1932, which he had shown to be due to the change in pH , and he suggested that the addition of a fungicide might be considered in the next B.P. The presence of moisture is essential for growth. Moulds will not grow on cotton with 8 per cent. and wool with 17 per cent. adherent moisture, but a slight increase in these figures favours growth. The manufacture of citric acid, chiefly in U.S.A., from glucose solutions by *Aspergillus niger*, he said, was now competing commercially with the natural acid from citrus juice. Efforts are being made to use the fungus—*Helminthosporium*—leaf stripe disease) as a source of pigment. Its coloured mycelium will yield 30 per cent. of an anthraquinone derivative. Mr. Berry then



Mrs. H. R. Edgecombe (wife of the president) presenting the South-West Challenge cup to Mr. J. Inglis (winner for fourth time) at annual dinner of South-West London Chemists' Association (see C. & D., Oct. 29, p. 468.)

gave methods for the protection against moulds. Of the newer chemicals, Mr. Berry advocated the use of *p*-hydroxy-benzoic acid derivatives, *p*-chlor-meta-cresol and the more recent penta-chlor-phenol. Phenyl mercuric nitrate is a powerful fungicide and bactericide; it is stable to heat, light, reduction, pH , and relatively non-toxic. In the discussion which followed Mr. Berry said that the cold method of preparing syr. simplex was still the best, and that there was a limiting concentration of 65 per cent. sucrose above which moulds would not grow. A vote of thanks was proposed by Mr. Skinner, after which the members inspected mould growths in galenicals and on culture plates supplied by the lecturer.

DISCUSSION ON INDIVIDUAL PHARMACY.—The Wimbledon Association held a meeting on October 25, at which Mr. Lomax spoke on "The Individual Retail Pharmacist—His Present Problems and Future Possibilities." Mr. Lomax described the problems confronting the pharmacist to-day as being reduction of turnover; increased competition; multiplicity of lines; and small buying. These problems, he said, were not confined to individual retail pharmacists, but were also the problems of the manufacturers. Closer co-operation between retailer and manufacturer would help to minimise the difficulties. The retailer must have some kind of trading policy, and Mr. Lomax suggested that the following points might prove useful: Avoidance of duplicated lines; correct buying; packing and display of own-name lines; personal attention. A vote of thanks to Mr. Lomax was proposed by Mr. Pretty.

PUBLIC PHARMACISTS AND EDUCATIONAL POLICY.—A meeting of the Guild of Public Pharmacists was held at 17 Bloomsbury Square, W.C.1, on October 25, when Mr. F. B. Royal delivered his presidential address on "An Educational Policy for Hospital Pharmacists," in which he outlined the present position and tendencies in hospital pharmaceutical practice and compared them with those of other professions. Mr. C. H. Sykes conveyed members' thanks to Mr. Royal before the meeting was thrown open for discussion, in which the weaknesses and disadvantages of the present system of qualifications were emphasised by various speakers. It was stressed that, since many hospitals were demanding pharmacists with the B.Pharm. or Ph.C. qualification, the present-day hospital chemist and druggist should be allowed to proceed to the higher qualifications by part-time study. A suggested scheme that met with much support was that there should be one qualifying examination only, with post-graduate diplomas or "Fellowship" in hospital, retail and wholesale pharmacy. It was pointed out that, although the Ph.C. and B.Pharm.

examinations were practically identical, many opposed the recognition of the B.Pharm. and a Ph.C. on the ground that "B.Pharm., Ph.C." indicated to some hospital committees that the person had passed two distinct examinations in pharmacy and was superior to the Ph.C. alone. In the suggested scheme the B.Pharm. would be awarded membership of the Pharmaceutical Society on completion of apprenticeship and on passing the forensic examination, but would still have to take the examination in one of the specialised branches of pharmacy before being granted the diploma or Fellowship of the Pharmaceutical Society.

Manchester

WHIST.—At a whist drive organised by the Junior Branch of the Manchester Pharmaceutical Association held at the Deansgate Restaurant on October 27, the prizewinners were Mrs. Cronin, Miss Lewis, Messrs. T. Miller and A. Harding. The prizes were presented to the successful players by Mrs. G. V. Tyler. Mr. H. Steinman (chairman, Junior Branch) acted as M.C.

MASONIC.—The annual meeting of the Manchester and District Pharmaceutical Masonic Association was held on October 26, Bro. R. Millner in the chair. After the balance sheet had been adopted, the following officers were appointed: *Chairman*, Bro. J. E. Edwards; *Vice-Chairman*, Bro. S. Bostock, D.C.; Bro. S. H. Hummel; *Treasurer*, Bro. H. Woodhead; *Secretary*, Bro. G. V. Tyler, Bro. P. Cock was appointed *Steward*. The resignation of Worshipful Bro. A. Newton from the office of treasurer was accepted with deep regret. Bro. Woodhead voiced the deep regard and affection in which Bro. Newton was held, and as a token of esteem he was elected an honorary life member of the Association. The remainder of the evening was devoted to a musical programme.

Newcastle-upon-Tyne

TOASTS AT ANNUAL DINNER.—At the annual dinner of the Newcastle District and Northumberland Branch of the Pharmaceutical Society on October 26, Mr. R. Bartle (treasurer), who proposed the toast of the Pharmaceutical Society, said there was plenty of scope for the activities of the Council in the control of sale of medicaments through proper channels and elimination of the more glaring quack remedies on the market. He also thought that it was time, particularly in view of the recent crisis, that steps should be taken to ensure that pharmacists called to the colours should have a higher rank than that of sergeant. Mr. T. Marns, representing the Society, replied expressing pleasure at being back "on his native heath." He stated that the Society had the question of army service under consideration, and were making satisfactory progress. He earnestly appealed to chemists to encourage their apprentices to enter for one or other of the numerous scholarships open to them. "The Medical Profession" was proposed by Mr. D. Taylor, and responded to by Dr. T. H. Bates (chairman, Newcastle Branch, British Medical Association). The toast "The Ladies and Visitors" was given by Mr. A. E. Harris, who welcomed the official visit of the chairman of the Durham Branch of the Society (Mr. W. Low). In reply, Mr. T. Magnay (M.P. for Gateshead) offered his services for the benefit of the profession should they be required in Parliament.

Reading

ELECTION OF OFFICERS.—The annual meeting of the Reading and District Branch of the Pharmaceutical Society was held on October 13, Mr. E. C. Cripps in the chair. The treasurer recommended, and it was agreed, to make a donation of £10 to the Society's Benevolent Fund. Reports were received from the three Branch representatives who attended the Edinburgh Conference. The following officers and committee were elected for the session:—*Chairman*, Mr. J. W. Todd; *Vice-Chairmen*, Miss L. Croft and Mr. R. Comyns; *Secretary*, Mr. A. Greenwood Watkins; *Assistant Secretary*, Mr. G. Green; *Treasurer*, Mr. R. H. Bluring; *Auditors*, Messrs. E. C. Cripps and G. H. C. Rowland; *Committee*, Miss Z. H. Novack, Messrs. J. P. Bate, J. R. Butler, W. H. Peskett, W. L. Pullen and F. W. Vasey. The secretary reported on the position of the Berkshire Public Medical Service. The following committee was formed to protect the interests of pharmacists contracting under the scheme: Miss Z. H. Novack, Woodley; Messrs. A. E. Breakspear, Maidenhead; R. Comyns, Sandhurst; G. H. C. Rowland, Wargrave; and H. D. Fitch (secretary), Bracknell.

Sheffield

ELECTION OF OFFICERS.—The Sheffield and District Branch of the Pharmaceutical Society of Great Britain recently elected the following officers:—*President and Chairman*, Mr. H. Antcliffe; *Vice-Chairman*, Mr. W. Wood; *Treasurer*, Mr. C. P. Gilbert; *Secretary*, Mr. E. A. Kirman.

MR. MCNEAL ON WORK ON SOCIETY'S COUNCIL.—The opening meeting of the winter session of the Sheffield and District Branch of the Pharmaceutical Society was held on October 25, Mr. H. Antcliffe in the chair. An address on "The Responsibilities and Work of a Council Member" was given by Mr. J. F. McNeal. Mr. McNeal spoke of the amount of work done in Committee. He himself served on the Law and the Benevolent Fund committees, the latter dealing with thirty to forty cases at each meeting. Since the coming into force of the Poisons and Pharmacy Act, 1933, the Law committee had become far more important; the new Act, with its interpretations would, said Mr. McNeal, "give a Cabinet Minister a nightmare." The speaker stressed the importance of reading the pharmaceutical Press most carefully. Reports of cases under the Act gave guidance for the future. He described the work of the Organisation committee, and claimed that the status of pharmacists in hospitals had improved during recent years, particularly under the London County Council. The proposed organisation of an Army Pharmaceutical Corps was another advance, and he had no doubt that, if war came, departments such as field service depots, etc., would be under the control of pharmacists. Mr. McNeal spoke of the many monopolies existing to-day, and said pharmacists must strive for their own monopoly—reservation of dispensing to pharmacists and sale of medicinal preparations and drugs by pharmacists only. Pharmacists needed parliamentary representation, and should have at least one practising pharmacist in the House. Questions followed on the dispensing of Schedule IV proprietary medicines, particularly new products, and on the Army Pharmaceutical Corps. Mr. J. Austen stressed the importance of the Benevolent Fund, and asked for the re-issue of the pamphlet reminding members about the Fund. Mr. J. E. Crowe proposed a resolution, seconded by Mr. T. Berry, "congratulating Mr. H. Antcliffe on again being in the chair." This was carried with acclamation. Mr. J. T. Appleton proposed and Mr. Crowe seconded a vote of thanks to Mr. McNeal.

Sunderland

DR. TAIT ON PHARMACEUTICAL-MEDICAL RELATIONS.—An address on "The Relationship Between Pharmacy and Medicine" was given by the resident secretary of the Pharmaceutical Society in Scotland (Dr. J. G. Tait) to the Sunderland Branch of the Pharmaceutical Society at a meeting at the Technical College, Sunderland, on October 27. Dr. Tait gave examples of methods by which the pharmacists could help to promote co-operation and friendliness between the two professions, especially through his knowledge of incompatibles, doses, antidotes for poisons, substitutes for expensive proprietaries, methods of exhibiting new drugs, information on vaccines and sera, etc. He advised pharmacists to keep abreast of current literature, both pharmaceutical and medical. A vote of thanks was proposed by Mr. W. Nimmo and seconded by Mr. R. H. Bell.

Miscellaneous

MEDWAY BRANCH SUPPER-DANCE.—At a supper-dance held at Gillingham on October 26, spot prizes given by Messrs. Beveridge, A. H. Clark, Corfe, Farrow, Hughes, Jones and by R. J. Reuter, Ltd., were awarded for various novelty events.

THEFT OF CINE CAMERA.—A new magazine 16 mm. cine Kodak camera, 1.9 lens, was taken from an exhibition stand at 99 High Street, Epsom, on October 24. If offered for sale or part exchange the prospective purchaser is asked to get in touch with Mr. J. H. Mortimer, 157 High Street, Epsom.

FILM LECTURE.—There was a large attendance at a meeting of the Thames Valley Pharmacists' Association at Kingston, on October 18, when there was an exhibition of a talkie film on "The Blood." This was followed by a film in lighter vein. An explanation of the film was also given by Mr. Firth in reply to some points that were raised.

CONFERENCE DELEGATES' REPORT.—A meeting of the Bedfordshire branch of the Pharmaceutical Society was held

recently. A report on the Edinburgh Conference was given by the branch delegate, Mr. A. E. Bailey. The president (Mr. C. A. White) suitably voiced the thanks of the branch to Mr. Bailey for his service. The branch then approved a winter programme.

WOMAN'S FAIR.—The Woman's Fair and Exhibition—claimed to be the first exhibition ever to present, on an important scale, every interest of women—opened at Olympia, London, W.14, on November 2. A large section of the Exhibition is devoted to cosmetics and perfumery preparations, including practical demonstrations. The Fair will remain open until November 26.

IN THE COURTS.—At Clerkenwell Police Court, London, on October 29, A. E. Norman and W. J. Taylor, employees of Sangers, Ltd., Euston Road, were remanded on charges of stealing bottles of perfume from their employers.—At Plymouth, on October 22, Man Chu was fined £2 15s. for being in possession of hashish contrary to the Dangerous Drugs (Consolidation) Regulations, and a similar sum for bringing such goods into the United Kingdom.

OFFICERS RE-ELECTED.—The annual meeting of the Coventry Branch of the N.P.U. was held on October 19. The following officers were re-elected:—*Chairman*, Mr. W. A. Bales; *Vice-Chairman*, Mr. G. R. Williamson; *Treasurer*, Mr. J. Gatherum; *Secretary*, Mr. C. H. Welton. The *Sub-Committees* were re-elected *en bloc*, with the addition of Messrs. Bonham and Hall to the *Education Committee*. A supper for members and their friends is being arranged for a date in November.

LANTERN LECTURE AND ANNUAL MEETING.—At the annual meeting of the Somerset Branch of the Pharmaceutical Society at Taunton on October 27 Mr. W. H. Maunder was elected *President*; Mr. R. F. Hutchin was re-elected *Treasurer* and Mr. F. Orchard *Secretary*. Mr. W. E. James subsequently gave a lecture, illustrated with lantern slides, on "The Vitamins and the Hormones of the Pituitary Body." He was thanked on the proposition of Mr. Hoyles, seconded by Mr. Williams. Mr. Rex Maunder manipulated the lantern.

CINE LECTURE.—At a meeting of the Bolton and District Branch of the Pharmaceutical Society, on October 27, a film on "Modern Methods of Anaesthesia" was shown. Questions were asked by members on technical details, and on the relationship between scientist and manufacturer on the Continent, compared with the relationship in this country. Afterwards, the film "Olympic Games, 1936," was shown. A vote of thanks to Bayers Products, Ltd., and the members of their staff present was moved by Mr. Rothwell.

RECEPTION AND PRESENTATIONS.—Mr. Harold Bays, newly elected president of the Hull Chemists' Association, held a reception at Powolny's Restaurant, Hull, recently. Winners at whist included Mrs. Tebb, Mr. Vinegrad, Mrs. Hewitt, Mr. Stephens, Mrs. Trowill and Mr. H. E. Brown, who received their prizes at the hands of Mrs. Bays. Mr. A. Surfleet (retiring president) was presented by Mr. Bays with a replica of the presidential badge of office, while Messrs. H. E. Brown and J. G. Twigg presented the local branch with a gavel in memory of the late Miss Muriel Bolton, a former president.

ADDRESS AND FILMS.—The first meeting of the winter session of the Durham County Branch of the Pharmaceutical Society was held recently, the president (Mr. Wm. Low) in the chair. Mr. H. G. Sear (Bayer Products, Ltd.) spoke on "Modern Trends in Therapeutics," commenting on the revolutionary change which had taken place in therapeutics during the last thirty years, and proceeding to give an account of modern remedies that have been synthesised. The address was followed by two sound films, "The Scourge of Humanity," dealing with syphilis, and "The Olympic Games of 1936."

OFFICERS.—The annual meeting of the North Staffordshire Branch of the Pharmaceutical Society was held recently, when the following officers were elected:—*President*, Mr. W. F. Redfern; *Vice-Presidents*, Messrs. T. G. Lawley and J. Martin; *Treasurer*, Mr. S. J. Mott; *Secretary*, Mr. R. A. Hackney, 538 Hartshill Road, Stoke-on-Trent; *Assistant Secretary*, Mr. T. G. Lawley. Mr. H. Moorby (retiring president) thanked the branch for loyal support during his year of office. Air-raid precautions were discussed, and it was decided to offer the services of members to the chief warden of the district and to run a first-aid class in conjunction with the local branch of the British Red Cross Society.

Irish Notes

Midland Drug Federation

Mr. J. Bolger, Maryborough, presided at a meeting of the Midland Drug Federation recently. A discussion ensued on the 1908 Sale of Poisons Act. Mr. Brendan Smith, M.P.S.I. (organiser, Irish Drug Association), informed the meeting that, following the Federation's request, he had communicated with the Registrar of the Pharmaceutical Society of Ireland on the matter. The Registrar had replied that the Society was giving the matter close attention and outlining action already taken. Mr. Smith pointed out that all infringements of the Poisons Acts by 1908 licence-holders should be reported. It was the duty of every retail chemist to rally round the Pharmaceutical Society in helping to stop indiscriminate sales of poisons, patents, etc. The best way to help the Society was by becoming a member. In that connexion Mr. Smith said he was asked to remind retailers who used the title "M.P.S.I." and were not entitled to do so that they would have legal action taken against them. A discussion followed on "penny" sales, and it was agreed that the problem was best left to be dealt with by the I.D.A. It was considered that 20 per cent. discount allowed by certain manufacturers to doctors was too much, and the executive committee of the I.D.A. were requested to take up the matter. Mr. R. O'Rourke was appointed representative of the Federation to the delegates' meetings of the I.D.A.

Dublin

BUSINESS CHANGES.—Pharmacies have been opened at Donnybrook, Dublin, by Miss M. E. Boland, Ph.C., and at Windy Arbour, Dublin, by Mr. G. A. O'Donnell, M.P.S.I.

EXAMINATION RESULTS.—Twenty-eight candidates sat for the Assistants' examination held recently by the Pharmaceutical Society of Ireland; the following passed: Anthony J. Boyle, Annie Clarke, Francis Farnan, John J. Forristal, Michael C. Lohan, Patrick J. Meade, Margaret M. P. McGrath, Bridget A. O'Dwyer, Mary O'Regan, Joseph G. O'Shea, Daniel D. Sweeney, William E. Williamson.

BENEVOLENT FUND DANCE.—The following is the first list of subscriptions contributed to the expenses of the Benevolent Fund social committee, who are organising a dance in aid of the Fund at the Gresham Hotel, Dublin, on November 21:—£2 2s. each: Limerick and District Retail Chemists' Association; Irish Chemists' Golfing Society (per Mr. R. Bates, treasurer); £1 1s. each: Mr. John D. Blair, Cork; J. S. Evans & Co., Ltd., Dublin (per Mr. P. H. Fahy); Messrs. J. Fleming, Athlone; and F. J. Fitzpatrick, Dublin; Miss K. Fogarty, Dublin; J. J. Graham & Co., Dublin; J. Leonard & Co., Dublin; Messrs. E. MacManus, Chapelizod; T. C. Scott, Dublin; and Fred Storey, Belfast; 10s. 6d. each: Mr. B. R. Allshire, Glasnevin; Dr. D. J. Brolly, Dublin; Messrs. A. N. Cole, Youghal; T. J. Smith, Dublin.

5s. each: Miss A. R. Maguire, Ballinasloe; 5s. each: Messrs. J. Duggan, Clontarf; and W. Lochtie, Dublin; 2s. 6d. each: Misses Brown and Storey, Dublin.

Topical Reflections

By Xrayser

A Pharmacognosy Syllabus

The discussion by the Council of the Pharmaceutical Society of Northern Ireland (*C. & D.*, October 29, p. 474) on the number of specimens desirable in the syllabus for the Society's examination in pharmacognosy has a more than local importance. The 360 specimens referred to may, on a casual view, appear a formidable collection; but compared with the 1,028 of the first Pharmacopœia Londinensis (mentioned in this section last week) the number does not seem excessive. At the same time, I am not in favour of loading students' minds with what may be called museum curiosities. If it is to be found that a considerable portion of these articles of *materia medica* can be jettisoned without risk, there seems to be no reason for retaining them. There is a certain amount of overlapping between pharmacognosy and botany, one result being that a student may to some extent be acquiring a knowledge of one of these subjects while studying the other. It is possible to be too kind in curtailing studies. About twenty-five years ago I heard a customer in a pharmacy ask for a drug the name of which has now disappeared from my memory; I recall, however, that it was not rare, though somewhat unusual. On being served, the customer spoke to this effect: "This is about the sixth shop I have tried, and some chemists didn't know what the stuff was." For "chemists" one mentally substitutes "apprentices" or "assistants"; but if educational authorities go too far in simplifying their requirements, a time will come when even the qualified man will not "know his work." Another point is that of awareness of adulterants: are students still taught to distinguish foreign substances from the drugs among which they may occur, or is everything being left to the wholesaler?

A New Kind of Venture

Of co-operative buying by retailers we have had experience for several years past; thus my approach to the interesting venture described by you on p. 481 naturally begins at that point. The first question that occurs to me is: In what way does this enterprise differ from (a) groups of retailers buying collectively, and (b) such groups selling the same exclusive and branded products? I am aware that there is in the case of the new company a legal bond; but until I know more definitely the answer to my question my comment on

your announcement must be brief. "National advertising for a group of shops" which will "centre round a trade mark or projected name"; "proprietary articles to be packed to the company's own formula and specification under trade marks"; these are phrases which seem to imply more than they state, and leave me surmising. I notice that a "voluntary chain" is described as "a group of retailers each owning his own shop associated with and under the leadership of the wholesaler or acting co-operatively without the wholesaler," a definition which may be said to leave the wholesaler in a somewhat anomalous position.

The New Food and Drugs Act

We have about a year's grace before the Food and Drugs Act, 1938, comes into force; but, as you intimate (p. 353), regulations under the Act may appear before that period expires, and will need careful scrutiny. The definition of "food," including as it does "any flavouring matter or condiment" and "any colouring matter intended for use in food," will perhaps suggest fresh regulations, some of which are likely to be applicable to foods ordinarily stocked by chemists as well as to those handled by grocers, butchers and others. Certain phrases in the Act may become the subjects of legal decision before their meaning is clarified sufficiently to cover every case. What, for instance, is to be understood by "legibly printed and conspicuously visible"? Some of the type used in daily newspapers is, for elderly eyes, conspicuously visible without being legibly printed, for reasons connected, no doubt, with the texture of the paper and the "face" of the type. Again, what is intended by "reasonable diligence"? The word "diligence," in the sense in which it is used in the law, dates, the Oxford English Dictionary tells us, from 1622; and the current edition of Wharton's Law Lexicon divides such diligence into three classes: (1) common or ordinary, (2) high or great, (3) low or slight—a definition which appeared as far back as 1848, and may be older. Legal diligence being thus, with due respect, an almost pedantic quality, I see no reason for introducing into an Act of Parliament a fourth and, as far as I am aware, unrecognised kind. Some legal expert among your readers can, perhaps, supply a reference to this virtue, if any is to be found, either in a text-book or in some other authoritative source.

Legal Reports

Pharmacy Act Case.—At Marylebone Police Court, London, on October 27, Marsons, Ltd., Baker Street, were summoned for selling a poison not on and in accordance with a prescription given by a medical practitioner. Defendants pleaded guilty. Mr. A. C. Castle, prosecuting for the Pharmaceutical Society, stated that a relief employee had supplied pyramidon tablets without a prescription. The sale was apparently an oversight. The summons was dismissed on the payment of three guineas costs.

Disagreement Over a Contract.—At Uxbridge County Court, on October 25, Telephone Rentals, Ltd., Arundel Street, London, W.C.2, sued Mr. V. Jones, M.P.S., 64 High Street, Ruislip, for £43 3s. 4d. in respect of the installation of an electric clock. Mr. Laskey, for Telephone Rentals, Ltd., said Mr. Jones had signed a contract to take on hire from them a publicity clock to hang outside his premises. The contract was for the year it was made and the succeeding fourteen years. The contract was broken, he submitted, because Mr. Jones refused to allow the clock to be installed. The defence to the action, which had been remitted from the High Court, was given by Mr. Hale that a condition or warranty of the contract had been broken in that a trader on the opposite side of the road had had a clock replaced outside his premises, whereas the representative of Telephone Rentals, Ltd., had assured Mr. Jones that such would not be the case. Mr. V. C. Gilbert, of the County Council's engineering department, said the application was for the projection to be five feet. The County Council considered that was an excessive projection and contrary to the by-laws. The projection should not be more than three feet. An amended application was made, but because of a letter from Mr. Jones the application for a licence did not go before the Highways Committee. Mr. Hale: Therefore no consent was ever given?—That is so. Mr. A. Ambrosor, representative of Telephone Rentals, Ltd., said that before seeing Mr. Jones he had called on a number of traders. A contract was signed and at a later date he called on Mr. Jones relative to the approval of the local authority as to the distance the clock should project. On that occasion Mr. Jones asked him if he knew that a trader opposite was putting his clock up again. Questioned by Mr. Hale, he said the contract was for the payment of £3 5s. per quarter for a period of fourteen years. Mr. Jones said he told Mr. Ambrosor that he would not be interested if the trader opposite was to have a clock. Mr. Ambrosor subsequently returned, saying that the trader would not be having a clock fixed, and he (Mr. Jones) thereupon signed the contract. Miss J. Wetherall, an employee of Mr. Jones, gave similar evidence, and Mr. J. R. Inwards, director of a garage opposite, said he gave Mr. Ambrosor to understand definitely that a clock would be put up. His doubt was only as to the old clock being suitable. He never had any intention of having one of the publicity clocks from Telephone Rentals. Judgment was given for Mr. Jones with costs.

Unlawful Sales of Poisons.—At Mitchelstown District Court, co. Cork, on October 25, William Joseph Finn, merchant, Mitchelstown, was summoned at the instance of the Pharmaceutical Society of Ireland with a breach of the Sale of Poisons Act by selling tartar emetic in a preparation known as Bell's Aconite Powders. There was a further summons against the defendant under Section 30 of the Pharmacy Act for keeping open shop for the sale of poisons, defendant not being a qualified person. Mr. John J. Gaynor, solicitor, who appeared for the Pharmaceutical Society, told the court that the Society's inspector had purchased at the defendant's shop three separate poisons contained in Cooper's sheep dip, Bell's anti-abortion mixture, and Bell's aconite powders. The Society had elected to proceed with regard to the last-named sale. It would have been legal, Mr. Gaynor mentioned, for the defendant to sell the Cooper's sheep dip if he held a licence under the 1908 Act, and carried out the regulations attaching to the licence. It was not legal for the defendant to sell tartar emetic under any conditions. The sale of this poison was restricted to chemists and registered druggists. Mr. J. J. Kerr, Registrar of the Society, gave evidence of the dangerous nature of the poisons sold. Defendant pleaded guilty to all the summonses, and gave an undertaking to discontinue the sale of the articles in question. Mr. Gaynor said the costs of the Society in connexion with the

prosecution were £9 9s. The Society would prefer to accept a less amount for costs and the imposition of the penalty under Section 30 of the Pharmacy Act. The object of the Society in bringing these proceedings was to act as a deterrent, and the imposition of the penalty under the Section was a greater deterrent than a bigger sum in costs. The Justice imposed a fine of £5 under Section 30 of the Pharmacy Act and a fine of 10s. for breach of the Sale of Poisons Act, with £2 for costs. The summons issued against R. Murphy, the defendant's assistant, was withdrawn by Mr. Gaynor.—At Portarlinton District Court recently John Hope, merchant, Portarlinton, and his assistant, Walter Hutchinson, were both summoned at the suit of the Pharmaceutical Society of Ireland with a breach of Section 30 of the Pharmacy Act by selling arsenic contained in sheep dip in a packet not labelled with the name and address of the seller. There was a further summons under the Sale of Poisons Act against John Hope in respect of the same transaction. Both defendants pleaded guilty. The Justice applied the Probation Act in respect of the Pharmacy Act charges and fined John Hope one shilling for breach of the Sale of Poisons Act, with £2 2s. costs.—At Kildare District Court recently Edward Nolan, merchant, Kildare, was summoned, also at the suit of the Pharmaceutical Society, with breaches of the Pharmacy Act and the Sale of Poisons Act by selling sheep dip containing arsenic unlabelled with the name and address of the seller. The Justice applied the Probation Act in the summons under the Pharmacy Act, and imposed a fine of £1, with £2 2s. costs, on the summons under the Sale of Poisons Act.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, November 7

Crosby Pharmacists' Association, 3 Little Crosby Road, Great Crosby, at 8.45 p.m. Gramophone recital by Mr. H. A. Pringle.

Wednesday, November 9

West Middlesex Chemists' Association, Café Royal, Regent Street, London, W.1, at 6.30 for 7 p.m. Annual dinner and dance.

Photographic Dealers' Association, Holborn Restaurant, London, W.C.1, at 10.30 a.m. Branch delegates' conference and exhibition. Park Lane Hotel, Piccadilly, London, W.1, at 6.30 for 7 p.m. Annual dinner.

Guild of Public Pharmacists, 17 Bloomsbury Square, at 7.30 p.m. Dr. J. Stanley White on "Clinical Application of the Sex Hormones."

Thursday, November 10

Reading Branch, Pharmaceutical Society, Great Western Hotel, Reading, at 8 p.m. Demonstration by Mr. F. C. King (Allen & Hanburys, Ltd.), "The Fitting of Surgical Appliances."

Bedfordshire Branch, Pharmaceutical Society, at Luton. Lecture by Mr. N. A. Barker, M.P.S., Bedford.

Western (London) Pharmacists' Association. Visit to the Crookes Laboratories (British Colloids, Ltd.), Park Royal, London, N.W.10.

Leeds Branch, Pharmaceutical Society, Metropole Hotel, at 8.30 p.m. Mr. J. F. McNeal on "Pharmaceutical Matters of Interest."

Manchester, Salford and District Branch, National Pharmaceutical Union, Victoria Hotel, Manchester, at 8.30 p.m. Mr. G. A. Mallinson (N.P.U. secretary), on "Combination in Pharmacy and its Results."

Wholesale Photo Finishers' Association, Holborn Restaurant, London, W.C.1, at 11 a.m. and 2 p.m. Annual meeting. Afternoon session open to non-members.

Friday, November 18

Pharmaceutical Society, North British Branch, 36 York Place, Edinburgh, at 8 p.m. Presentation of Pharmaceutical Chemist diplomas and Biochemical Analysis diplomas. Dr. L. S. P. Davidson (Professor of Medicine, University of Edinburgh), on "Weil's Disease (Leptospirosis Jaundice) in Fish Workers in Aberdeen" (illustrated).

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY.—The annual dinner and dance will be held at the Grand Hotel on November 17.

MANCHESTER, SALFORD AND DISTRICT BRANCH, PHOTOGRAPHIC DEALERS' ASSOCIATION. Annual dinner-dance, November 30, at Hill's Restaurant. Tickets, 6s. each from Miss F. Foxall, 44 King Street, West.

CHEMICAL SOCIETY.—Annual chemical dinner and dance, November 22, Connaught Rooms, Great Queen Street, London, W.C.2, at 7 p.m. Tickets, 12s. 6d. each, from Mr. F. A. Greene, The Chemical Club, 2 Whitehall Court, London, S.W.1, not later than November 16.

Company News

P.C. means Private Company and R.O. Registered Office

BRIDGNORTH PHARMACY, LTD. (P.C.).—Capital £200. Objects: To carry on the business of chemists, druggists, etc. Solicitor: Elwyn Price, St. Leonards Close, Bridgnorth.

JEK, LTD. (P.C.).—Capital £100. Objects: To carry on business as manufacturers of and dealers in wood preservatives, disinfectants, sheep dips, etc. R.O.: 11 and 12 Fenchurch Street, E.C.3.

JONES & RILEY (CHEMISTS), LTD. (P.C.).—Capital £600. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, medicines, etc. Frank A. A. Jones, 6 Commercial Road, Leeds, 5, director. R.O.: 2 Victoria Road, Guiseley, near Leeds.

FRITCHARD LABORATORIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers, brokers, and dealers in insecticides, soaps, fats, chemicals, etc. Geo. J. Fritchard, Ph.D., 69 North End House, Fitzjames Avenue, W.14, director. R.O.: 25 Southampton Street, W.C.2.

INTERNATIONAL OPTIONS, LTD. (P.C.).—Capital £2,000. Objects: To acquire interests in any patents relating to the production, distribution and use of all kinds of medicinal, medical and toilet preparations; and to carry on the business of manufacturing chemists and druggists, etc. The first directors are to be appointed. Solicitors: Mount Sterry & Co., 24 Martin Lane, Cannon Street, E.C.4.

PHENSIC, LTD. (P.C.).—Capital £150,000. Objects: To acquire the business of Phensic, Ltd. (incorporated in 1933); to acquire recipes and full information as to the processes of manufacture and the right to manufacture, merchant and deal in medicines and medicinal preparations and drugs, etc. The first directors are to be appointed. Solicitors: Simmons & Simmons, 1 Threadneedle Street, E.C.2.

WOODLANDS CHEMISTS, LTD.—A petition presented for confirming the reduction of the capital of the above-named company from £100,000 to £40,000 is to be heard on November 14 at the Royal Courts of Justice.

PHENSIC, LTD.—At a meeting held in London recently it was resolved that this company be wound up voluntarily. Mr. B. L. Hobrow, 68 Pall Mall, London, S.W.1, was appointed liquidator. (See "New Companies," above.)

ALEC WILSON (CHEMISTS), LTD.—Notice is given in "The London Gazette" that a meeting of the creditors of this company will be held at the offices of Harry L. Price & Co., 47 Mosley Street, Manchester, 2, on November 4.

RECEIVING ORDER AND ADJUDICATION.—Gregson, H.T.A., 8 Hardwick Road and 4 Langley Road, Eastbourne, chemist.

Voluntary Liquidation

A. White Dispensing Chemists, Ltd., late of 8 Clock House Parade, High Street, Wanstead; 105 Belle Grove Road, Welling; 53 Coldharbour Lane, Hayes; 252 Hertford Road, Enfield; and Joel Street, Northwood Hills. At the statutory meeting of the creditors of the above, resolutions were passed confirming the voluntary liquidation of the company with Mr. Parkin S. Booth, of the Association of Manufacturing Chemists, Kimberley House, 14-17 Holborn Viaduct, London, E.C., as liquidator. The statement of affairs showed that the assets were estimated to realise £229 16s. 1d., and they were subject to preferential claims of £448 6s. 7d. The ranking liabilities amounted to £2,809 10s. 6d., with a deficiency of the same amount. The liabilities comprised:—Trade creditors, £509 19s. 11d.; cash creditors, £1,985 18s.; sundry creditors, £95 8s. 6d.; and unsecured portion of preferential claims, £218 10s. 6d. The business was originally commenced at Colindale Avenue, Hendon, in July 1937, the company having been formed with a nominal capital of £1,000. In September 1937 a branch was opened at High Street, Wanstead, and in March of the present year premises at Coldharbour Lane, Hayes, were acquired. Further premises were taken at Hertford Road, Enfield, and another branch was commenced at Joel Street, Northwood Hills. About June last the branches at Hayes and Colindale Avenue were closed.

Stock Exchange Prices

£1 shares unless otherwise stated	Dec. 31, 1937	Sept. 30, 1938	Oct. 31, 1938
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord. ...	26 0	26 3	26 0
Amalg. Dental Co., 8% Prefd. Ord. ...	25 6	25 0	25 6
" " " Deferred £1 ...	14 0	12 6	12 6
Aspro, Ltd., 5s. shares ...	16 6	15 3	13 6
Ayrton, Saunders & Co., 7½% Pref. ...	25 6	23 3	22 9
Beechams Pills, Deferred 2s. 6d. shares ...	—	8 4½	8 1½
Benger's Food, Ord. ...	39 6	20 0	20 0
Benzol & By-Products cum. part. Pref. ...	12 6	17 0	17 3
Berger (Lewis) & Sons, Ord. ...	56 3	50 0	50 7½
Blundell Spence & Co. ...	16 3	13 9	13 3
Boake (A.), Roberts & Co., 5% Pref. ...	22 0	21 3	20 6
Boots Pure Drug, Ord. 5s. shares ...	45 6	42 6	40 6
Boots Pure Drug, 7% "A" Prefd. Ord. ...	33 0	32 9	32 9
Boots Cash Chemists (S.), 6% "A" Prefd. ...	29 0	28 9	28 9
Borax Consol., Dfd. Ord. ...	27 0	25 0	26 3
Bovril, Ord. ...	26 6	28 0	27 6
" " " Dfd. ...	22 6	19 6	20 0
British Industrial Plastics (formerly British Cyanides), Ord. 2s. shares	2 7½	2 9	2 9
British Drug Houses, The, Ord. ...	24 3	21 3	21 6
British Glues & Chemicals, 4s. Ord. ...	5 9	5 0	5 0
British Oil and Cake Mills, Prefd. Ord. ...	46 6	43 0	43 0
British Oxygen, Ord. ...	82 6	73 9	72 6
British Photo. Indus., 6% Cum. Pref. ...	3 6	3 0	3 0
Burt, Boulton & Haywood, Ord. ...	20 6	18 9	18 0
Bush (W. J.) & Co., 5% Pref. £5 ...	105 0	101 3	97 6
Callard, Stewart & Watt, Ord. ...	4 6	6 3	5 0
Cooper, McDougall & Robertson, Ord. ...	33 0	26 3	26 0
Crossfield (Joseph) & Sons, 6½% Pref. ...	30 0	28 3	28 0
Dubarry Perfumery Ord. rs. ...	2 7½	2 3	2 9
" " " 7½% Pref. ...	22 6	21 3	21 3
Eno's Propriet'y, Ord. 5s. ...	6 1½	5 9	—
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	5 3	3 3	3 3
" " " 6% cum. part. Pref.	7 9	6 3	6 6
Field (J. C. & J.), Ord. ...	23 9	22 6	23 6
Galloway (P. H.), Ord. 2s. ...	3 0	2 9	3 0
" " " 7½% Cum. Pref. ...	26 6	26 3	26 3
Genatosan, Ltd., rs. ...	6 4½	5 0	4 9
Gossage (William), 6½% Pref. ...	30 0	28 9	28 0
Greiff-Chemical H'dings, Cum. Pref. 10s. ...	9 6	10 0	9 9
" " " Ord. 5s. ...	6 10½	6 3	5 9
Griffiths Hughes (Kruschen), Ord. ...	15 0	9 6	9 0
Groat & Co., Ord. ...	13 0	8 3	8 9
Hodders, Ord. rs. ...	0 9	0 7½	0 7½
Ilford, Ltd., Ord. ...	28 9	28 3	29 3
" " " 6% Pref. ...	25 6	25 7½	25 0
Imperial Chemical, 7% Pref. ...	33 6	31 9	32 6
" " " Ord. ...	35 0	31 3	31 3
Intern. Sponge Importers, 6% Pref. ...	7 3	5 0	3 3
Knight (John), 25% Prefd. Ord. ...	100 0	95 0	93 9
Laporte (B.) & Co., Ltd., Ord. ...	90 0	83 9	86 3
Lever Bros., Ltd., 7% Pref. ...	31 3	31 0	30 0
" " " 8% Pref. ...	33 3	30 9	30 7½
" " " 20% Prefd. Ord. 5s. ...	21 0	19 9	19 0
Lewis & Burrows, Ord. ...	24 9	22 6	22 6
" " " 6% Pref. ...	22 0	19 6	20 3
Liebig's Ext. of Meat, Ord. £5 ...	£15½	£15½	£15½
Macleans 6% Red. Pref. ...	22 9	21 9	21 9
Mellin's Food, 6% Pref. ...	1 6	1 10½	1 10½
Nathan, J. (Glaxo), 7% Pref. ...	23 6	21 10½	22 9
" " " 8% Prefd. 10s. ...	13 0	10 0	11 6
" " " Ord. rs. ...	6 10½	5 0	5 0
Pears (A. & F.), 5% Deb. £100 ...	£110	£109	£106
Reckitt & Sons, Ord. ...	103 9	103 9	103 0
Sangers, Ord. 5s. ...	23 0	22 0	21 9
"Sanitas," The, Co., 9% Pref. ...	29 1½	26 3	26 0
Sanitas Trust, 10% partic. Pref. ...	29 4½	25 9	27 3
Smith (Stephen) & Co., Ord. 5s. ...	10 9	9 6	9 9
Spratt's Patent, Ord. ...	58 9	45 0	46 0
Stevenson & Howell, 6½% Cum. Pref. ...	25 0	24 0	24 0
United Glass Bottle Man., Ord. ...	49 6	47 6	47 6
Veno Drug Co., 8% Pref. ...	24 9	25 3	26 0
Virol, Ltd., Ord. ...	31 3	28 9	28 9
" " " 7% Pref. ...	24 0	24 3	24 6
White (A. J.), Ltd., Ord. 10s. ...	18 6	17 0	17 0
White (Timothy) & Taylors, 7½% Pref. ...	29 9	29 6	29 6
" " " Ord. 5s. ...	26 6	24 6	24 0
Woodlands, Chemists, Ord. 5s. ...	1 0	0 10½	0 10½
Wright, Layman & Umney (1932), 7% cum. Pref. ...	24 0	22 0	23 3

Leicester School of Pharmacy

THERE was a large and representative attendance of pharmacists and students at the College of Technology, Leicester, on October 25, for the presentation of prizes to successful students at the School of Pharmacy during the session 1937-38 and for the unveiling of a memorial to the late Mr. Arthur Young. Mr. P. F. Rowsell, C.B.E., J.P. (chairman, Education Committee, Pharmaceutical Society), was the speaker and Mr. E. B. Ward (chairman, Leicester and Leicestershire Branch, Pharmaceutical Society) presided. Mr. Ward recalled some of the early history of the School of Pharmacy, describing the conditions and equipment provided for students thirty years ago, and contrasting with these the present laboratories and equipment. He recalled that Mr. Rowsell, in the capacity of Pharmaceutical Society's inspector of schools, had on various occasions visited the College.

Reports

Mr. L. W. Kershaw (principal, Leicester College of Technology and Commerce) then gave the report of the work of the School of Pharmacy during the year. He stated that as a result of the character of the accommodation now provided for the training of students of pharmacy, recognition for the maximum period had been granted by the University of London and the Pharmaceutical Society for the Bachelor of Pharmacy degree and Pharmaceutical Chemist diploma courses. The inspectors, one of whom had been Mr. Eason (principal, London University), had reported in the highest terms on the excellence of the training and accommodation provided as well as on the live character of the school as shown by its social activities. With the facilities now available it was hoped that more students would consider the advisability of proceeding to the higher qualifications, which opened up so many additional avenues of employment. In congratulating the prizewinners on the high standard of work achieved, Mr. Kershaw expressed thanks to those who had supported the college by gifts of prizes. New prize donors included the United Chemists' Association, Ltd. (Young Memorial prize); Genatosan, Ltd. (window display awards); and Mr. G. H. Hannam (dispensing trophy). The Leicester apprenticeship scheme continued to receive the support of pharmacists in the city, acting through the advisory committee of the school.

The statistical report by Mr. A. Chamings (principal, School of Pharmacy) followed. Mr. Chamings stated that the successes of the School were very satisfactory. Two students had obtained the diploma of Pharmaceutical Chemist; twenty-one had qualified as Chemists and Druggists; eight had passed the Preliminary Scientific examination; and thirty-eight students had obtained the diploma of the Society of Apothecaries. Full-time enrolments for the present session totalled twenty-five in the Chemist and Druggist, Pharmaceutical Chemist and B.Pharm. degree courses and twenty-three in the Preliminary Scientific section. Of this number half had matriculated, and it was hoped these would consider the advisability of working for the Inter B.Pharm examination. Mr. Chamings stressed the value of the higher qualifications, as evidenced by the excellent posts which had been obtained by old students of the School as medical and pharmaceutical representatives to large wholesale houses; assistants and chief pharmacists to hospitals; as analytical and research chemists; and in Civil Service posts.

Mr. Rowsell's Address

Mr. Rowsell then spoke of the opportunities which pharmacy offered as a profession to the energetic and ambitious,

and said there was no reason why any one of the students present should not rise to the highest positions in pharmacy in the country. He emphasised the importance of the pharmacist widening his interests and participating in public services, referring to his own active interest in spheres other than pharmacy. He congratulated all those who had contributed toward the pharmaceutical laboratories, expressing the opinion that it reflected great credit to the City of Leicester that they had so splendid a College of Technology costing half-a-million of money. In his view there was no better investment for public money.

Proposing a vote of thanks, Mr. S. S. Squires (chairman, School of Pharmacy advisory committee) spoke of the thirty years during which he had voted for Mr. Rowsell, and the satisfaction that he would have in continuing to do so after so stimulating an address. Mr. F. G. Blockley seconded. In a vote of thanks to the chairman, Mr. W. Oram (vice-chairman, college subcommittee) thanked Mr. Rowsell for his remarks regarding the College of Technology, and referred to the late

Mr. Arthur Young's great part in the establishment of the School of Pharmacy.

The meeting then adjourned to the dispensary, where the bronze plaque of the late Mr. Arthur Young had been erected, and it was there unveiled by Mr. Rowsell, who paid his tribute. He spoke of his personal association with Mr. Young in various spheres and of Mr. Young being a man of sterling worth, whose example might well be emulated. His death at the age of fifty-four was a great loss to pharmacy, but he had done a great work, and the memorial, it was hoped, would prove a stimulus to all those who would have the privilege of working in that laboratory.

Among others present at the presentation and unveiling ceremony were Messrs. F. Purse, H. N. Bream, E. H. Butler, G. W. Evans (Ucal, Ltd.), Dr. Hadley and Dr. Mackarell (pathologist, Leicester Royal Infirmary).

Prize List

The full list of prizewinners is as follows:—*Preliminary Scientific and Inter B.Pharm. course*: First prize (value £1), also chemistry and physics prizes (value 10s. each), Miss Gertrude M. Monks; second prize (value 10s.), also biology prize (value 10s.), Mr. Reginald Howitt. *Pharmaceutical Chemist and B.Pharm. course*: prize (value £1), also certificate of honour in pharmacognosy, Mr. Douglas A. Todd; certificates of honour, pharmaceuticals and pharmaceutical chemistry, Miss Margaret N. Grudgings; physiology, Mr. Stanley W. Hows. *Chemist and Druggist course*: prizes presented by A. de St. Dalmás & Co., Ltd., first prize (value £2 2s.), also certificate of honour in pharmacognosy, practical and theoretical pharmacy, Mr. Arthur A. Coxon; second prize (value £1 1s.), also certificate of honour in forensic pharmacy, Mr. Robert G. S. Page; certificate of honour, physiology, Mr. Kenneth L. Exley. *Post-Preliminary-Scientific*: Prize presented by E. H. Butler & Son, Ltd. (value £1), Miss Euphemia P. McEwan. *Best Student Associate of the year*: Prize presented by the Pharmaceutical Society of Great Britain (British Pharmaceutical Codex), Mr. Arthur W. Coxon. *Public Spirit and Progress*: Prize presented by the Advisory Committee of the School of Pharmacy (value £2 2s.), Mr. Victor S. Tinkler. *Dispensing Proficiency*: Cup presented by Mr. C. H. Hannam to most proficient dispenser in the Chemist and Druggist course, Mr. Geoffrey A. Hall. *Young Memorial*: Prize presented by Ucal, Ltd. (value £3 3s.), Mr. Walter G. Smith. *Window Display*: Prizes presented by Genatosan, Ltd., first prize (value £2 2s.), Messrs. Eric Long and Robert G. S. Page; second prize (value £1 1s.), Messrs. E. G. Faiers and S. West.



Mr. P. F. Rowsell (chairman of the Pharmaceutical Society's education committee) unveils a memorial tablet to the late Mr. Arthur Young

Pharmaceutical Society of Great Britain

Council Meeting

AMONG the business transacted by the Council of the Pharmaceutical Society at their meeting on Tuesday, November 1, were the following items:—

Refugee Pharmacists.—The secretary reported that he understood that the Society might expect a communication from the Aliens Department on this question, and it was agreed to defer further consideration until a future meeting.

Resignation of Mr. F. W. Yeomans.—The president read a letter from Mr. F. W. Yeomans in which he stated:—

"In a very brief statement to the Council at the end of its meeting on Wednesday, October 5, and in consequence of a telephone message received during the morning, I indicated that I was expecting to leave this country shortly to take up an appointment in South Africa, and that it was improbable that I should be able to be present at the November meeting of the Council. . . . It is, Sir, with regret that I ask to be relieved of my responsibilities as a member of Council, an office of distinction in which I have had great pride, and which I wish to relinquish not without some feelings of disappointment. My period of service to the Society has been short, but I have during this time endeavoured to serve the Council to my best ability. . . . I would desire to place on record my thanks for the confidence displayed to me by the members of the Society, not only at the time of my election but also on subsequent occasions. . . . It is with profound regret that I tender my resignation and trust that in the circumstances it will be your pleasure to accept it."

The Council resolved that Mr. Charles Davis, Leamington, be co-opted a member of the Council in the place of Mr. Yeomans (see p. 503).

Correspondence.—(1) From the secretary of the Birmingham Branch of the Society conveying the following resolution:—"That the recent crisis has proved the position the pharmacist is required to take up in the general interest still to be obscure, to the public detriment, and this meeting of the committee of the Birmingham and District Branch considered that the Society should take steps to clear up this matter on behalf of its members." The letter was received, and it was agreed to inform the Branch of the steps which the Council were taking. (2) From the secretary of the Guild of Public Pharmacists, pointing out that as a number of points of interest both to the Society and to the Guild arise from time to time, it might be useful for a Joint Committee of members of the Council of the Guild and of the Society to discuss them. A point requiring attention at the moment was the salaries at which posts in hospitals are advertised. The Council agreed to accept the suggestion of the Guild for consultation and appointed the vice-president, Mr. Skinner, and Mr. Wells to serve on the proposed committee.

National Emergency.—The Council considered memoranda from the secretary relating to the utilisation of the services of pharmacists in an emergency and plans to be made in connexion with administrative work of the Society in preparation for an emergency. The first memorandum was referred to the Public Services Committee and the second to the Establishment Committee.

Applications to the Statutory Committee.—The Council, as complainant, received from the Statutory Committee copies of applications by two persons for the restoration of their names to the Register. It was decided in both cases that the Council should raise no objection to the restorations.

Wednesday's Proceedings

MOST of the important business dealt with at the November meeting of the Council, held at Bloomsbury Square, London, W.C., on Wednesday, November 2, the president (Mr. T. Guthrie) in the chair, was discussed in private.

DEATHS

THE PRESIDENT at the outset stated that he had received apologies for absence from Sir Malcolm Delevigne, and the treasurer, Mr. Neathercoat. The president next made sympathetic reference to the deaths of Mr. Thomas Stephenson and Mr. Peter Duff, both of whom, he said, were not only well

known to pharmacists generally, but were particularly well known and appreciated by himself, being members of the Society resident in Scotland. Mr. Stephenson had served for a long time on the Board of Examiners in Scotland and was chairman of the Board for a considerable time. Mr. Peter Duff, of Glasgow, whose death a few days ago would come as a shock, had been ill two or three months, and during his service to pharmacy was perhaps best known as the secretary of the Glasgow Branch, which was the biggest in the country. The Council decided to send letters of condolence to the relatives of Mr. Stephenson and Mr. Duff, and signified their sympathy by standing in silence.

GIFTS TO MUSEUM

THE PRESIDENT then announced the receipt of gifts of a certificate issued by the Society in 1872 under the signature of the then secretary of the Society, Elias Bembridge, from Leonard Higgs, of Kingston-on-Thames, and a formulary dated 1844 from Mr. Howells. Both will be added to the growing collection which will be exhibited in the Society's new building.

REGISTRATION ITEMS

Thirteen persons were elected as student-associates and four applications for restoration to the Registers of Pharmaceutical Chemists and Chemists and Druggists were approved. The secretary reported the restoration of eighteen names to the Registers since the last meeting, and he was authorised to restore six sets of premises to the appropriate list. The registrar reported that ninety-one persons had been registered as apprentices or students. Elizabeth Jule Bowen, 7 Collins Street, Melbourne, Australia, now c/o The Bank of New South Wales, 47 Berkeley Square, London, W.1; John Francey, of Lisburn, Northern Ireland, now residing at 34 Buckley Road, London, N.W.6; and Norman Alexander Millar, of 317 Castlereagh Road, Belfast, now c/o Westmacott & Son, 17 Market Street, Manchester, 1, having complied with the Regulations, were registered as chemists and druggists.

CORRESPONDENCE

Dr. J. J. Blackie wrote expressing appreciation of the thanks of the Council for the efforts of all concerned in the arrangements for the Edinburgh Conference, and assuring the members that he would convey the tribute to the Conference Committee.

On the report of the North British Executive, Mr. WELLS asked whether the appointment of secretaries was left to the branch, as this was different from the Council's procedure. THE SECRETARY explained that the officers referred to were of course not branch secretaries. The method of their appointment was a relic of the old days when the country was organised centrally from Edinburgh into Parliamentary divisions with a local secretary for each and still survived in Scotland. Several members of the Council expressed satisfaction with the arrangements, and THE PRESIDENT said the present system was a combination of the two and worked very well.

A letter was read from Mr. Franklin resigning from the office of deputy invigilator in Manchester, and the Council passed a resolution thanking him for his services.

EDUCATION COMMITTEE

The report of the meeting of the Education Committee, held on November 1, was presented by the chairman (Mr. P. E. Rowsell). The Committee considered the annual report of the Board of Examiners for England and Wales and the reports of the examinations in London and Edinburgh during October 1938. One school was approved for providing a full-time course of instruction for the Preliminary Scientific examination in respect of the students on whose behalf the application was made. Six applications for concessions in respect of the examination regulations were considered, four of which were granted. A recommendation was made on the time which an articulated pupil should spend for private study or attendance at classes. Discussions on the arrangements for the teaching of bacteriology and physiology at an approved school was deferred until after consideration by the Joint Committee of Inspectors of the Society and of the University. The Committee considered a summary of information received from diplomates in

biochemical analysis and the comments by Drs. Archer and Harrison. The Committee agreed upon the draft estimates for 1939 relating to examinations and other educational expenditure.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that nineteen applications had been considered and grants made or now recommended ranged from £9 15s. to £39, including one of the latter amount from the Orphan Fund. At the request of the Organisation Committee the Committee considered the following resolution passed at the Edinburgh Conference:—"That it is the opinion of this Conference that a distinct appeal be made for the Benevolent Fund at every Conference," and (a) that the chairman of the Conference be asked to allow an appeal to be made for the Benevolent Fund at the end of the opening session; (b) that a further appeal for increased support of the Fund from the branches be made at the branch representatives' meeting; (c) that the National Association of Women Pharmacists be asked to co-operate in this appeal with a view to stimulating interest in the Fund among the ladies attending the Conference, and that the Council should place this matter before the Conference Executive. Special contributions acknowledged were £5 5s. for the Fund and £5 5s. for the Orphan Fund from the N.P.U. Devon Branch.

WAR AUXILIARY BENEVOLENT FUND

The report of this Committee stated that two applications had been considered and grants made of £26 in each case.

BRITISH PHARMACEUTICAL CONFERENCE

The report of the Committee mentioned the arrangements for the Birmingham Conference and stated that Mr. Mann had submitted a draft programme for the meeting, which will be held from July 17 to July 21 next year. The Committee reported that they had decided that no exception be made to the rule that men be excluded from the ladies' excursions. It was reported that an informal suggestion had been made that the Conference should meet in London on the occasion of the centenary of the Society in 1941. The invitation from the Torquay Branch deferred from the meeting held in July 1937 was reconsidered, together with further correspondence received from the Branch. The secretaries were asked to accept the invitation provisionally for 1942 and also to discuss the question of the time of the year at which the Conference should meet. There was some discussion regarding the exclusion of men from the ladies' excursions, and several members stated that they had received protests against the ban. It was pointed out that some members took advantage of the Conference and arranged their holidays to coincide with it, and it sometimes happened that men who had no interest in the scientific papers presented wandered about while their wives went on the excursions.

THE PRESIDENT reminded the Council that it had been the practice to receive the reports of the Conference Executive and to accept them. The responsibility for the decisions rested solely with the members of the Conference Committee, and he did not think the Council should take any action in the matter.

MR. MARNs pointed out that he was one of the four members of the Council on the Conference Committee, and if necessary it was surely the duty of those representatives to bring the matter up. The subject was then allowed to drop.

ORGANISATION COMMITTEE

The report of the Committee stated that the code of ethics proposed by the Tees-side Branch and adopted by the Branch Representatives' Meeting in Edinburgh, was considered, together with a note by the secretary, and it was resolved (a) that it is necessary to have rulings on matters of professional conduct; (b) that the rules be so framed as to be enforceable. It was agreed to hold another meeting of the Committee on November 16 to discuss further the remaining items, together with any additional items which members of the Committee might wish to submit.

ESTABLISHMENT COMMITTEE

The report of the Establishment Committee included the report of the Dean of the School (Mr. H. Berry), and included the following passages:—

The School commenced on Monday, October 10. Ninety-two students have enrolled. This is a slight decrease on the number of last session. The number of research students has increased, however, three new Ph.D. students having regis-

tered in the chemistry department, which is now accommodated its maximum number of research workers.

The following tables show the number of students on the various courses during the session and the results of the July examination. The maximum capacity of the School is 100.

		No. of students.	
Chemist and Druggist course	...	65	
First year course	...	14	
Second year course	...	19	
		98	
		Entered.	Passed
Chemist and Druggist examination	68	44	14
Pharmaceutical Chemist Qualifying examination	8	8	—
B.Pharm. (London)	10	10	—

All the students taking the two higher examinations were entering for the first time, and there is no doubt that the good results are due to the policy which has been adopted in the School of permitting only those students to proceed to the second year course who have shown themselves fitted for it during the first year. Students who do exceptionally well on the Chemist and Druggist course are advised and invited to proceed to a higher qualification. The evening course for the diploma in biochemical analysis was again well attended with a total of 27 students. During the session there have been fifteen workers engaged on research problems. Of these four members of the staff and four students are registered for the Ph.D. degree. Dr. Mummery, of St. Mary's Hospital, attended during the first term for supervision of practical work in connexion with sterilisation. The work has since been taken over entirely by the staff of the pharmacy department, but I should like to place on record my appreciation of the very valuable assistance we have received from Dr. Mummery, Dr. Maclean and Professor Fleming during past sessions when the courses were being organised. Contact is still maintained with these members of the staff of St. Mary's Hospital, and they have generously expressed their willingness to advise on such bacteriological problems as may arise. The Columbia University of New York award annually a travelling scholarship, known as the Plaut Scholarship, tenable for one year at any university in Europe. The Plaut Scholar for 1937, Mr. S. Stern, elected to spend his year at this School and received instruction in the departments of pharmacy, pharmaceutical chemistry and pharmacology. Two members of the Society's staff attended the International Physiological Congress at Zürich in August. Professor Gaddum took the chair at some of the sectional meetings and made a communication dealing with the pharmacological action of ephedrine. Dr. F. Schütz demonstrated a method of purifying chemical substances by means of foaming. This demonstration aroused great interest, and it is hoped that he will be able to work out some of the applications of this method in the College laboratories. The National Institute for Medical Research, acting on behalf of the League of Nations, has been investigating the possibility of preparing international standard preparations for the assay of the various hormones contained in the anterior lobe of the pituitary gland and in the urine of pregnant animals. The Society's pharmacological laboratories have taken part in this investigation.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £31 12s. 1d., amounted to £18,847 14s. 8d., comprising the following items:—Members' fees, £219 3s. 9d.; premises fees, £92 8s.; subscriptions, £12 12s.; examinations, £6 6s.; registration fees—as apprentice or student, £205 16s.; registration fees—as chemist and druggist, £10 10s.; restoration fees, £20 9s. 6d.; law—penalties and expenses, £128 13s.; Register correction service, £1 11s. 6d.; interest on deposit, £111 19s. 5d.; rentals, £106 5s.; "Pharmaceutical Journal," £1,578 2s. 4d.; pharmaceutical Press, £1,028 15s. 6d.; F.S.S.U. contributions, £31 1s.; S.S.S.S., refunds, £31 14s. 6d.; office, refunds, £30 15s.; transferred from deposit account, £15,200. Payments ordered at the last meeting amounted to £18,836 7s. 10d., leaving a balance of £11 6s. 10d. The amount on deposit account was £25,900. The balances on the other accounts were:—Benevolent Fund (current account), £17 0s. 1d.; deposit account, £450; Benevolent Fund (donation account), £1 12s. 8d.; deposit account, £100; War Auxiliary Benevolent Fund,

£35 15s. 8d., deposit account, *nil*; Hills Orphan Fund, £6 16s. 6d., deposit account, £330; Orphan Fund, £11 12s. 4d., deposit account, £130. The action of the secretary in making payments amounting to £1,900 19s. 4d. was approved, as was his action in paying £275 13s. 10½d. for reimbursement by the Pharmaceutical Trust. The Treasurer was authorised to pay accounts amounting to £9,574 9s. 10d., and the trustees of the Pharmaceutical Trust were requested to pay accounts amounting to £1,622 14s.

The following resolution of the British Pharmaceutical Conference passed at the Branch Representatives' Meeting in Edinburgh was received:—"That it is the opinion of this Conference that the Council should in the interests of all pharmacists consider the introduction of a superannuation scheme for pharmacists." Reference was made to a memorandum by the secretary on the subject, and it was decided to make further inquiry of insurance companies.

LAW COMMITTEE

The report of the meeting held on November 1 was presented by the chairman (Mr. J. Jack). It showed that in England, Scotland and Wales 1,112 chemists' shops, eighty-six listed sellers and eighteen drug store proprietors, grocers and similar traders had been visited by the Society's inspectors during the past month. It also showed that in England and Wales 304 drug stores and other premises had been visited by the Society's agents during the past month.

This was all the public business.

Statutory Committee Meeting

THE Statutory Committee of the Pharmaceutical Society held a meeting at 17 Bloomsbury Square, London, W.C., on November 2, presided over by Sir Ernly Blackwell. Two cases were considered, and in neither instance were the names of the affected persons removed from the Register.

The affected person in the first case pleaded guilty at the Marylebone Police Court, London, to a charge of stealing three bottles of medicine from his employers. He was sentenced to four months' imprisonment, but appealed at the County of London Sessions and the sentence of imprisonment was quashed and he was ordered to be bound over in his own recognisances.

Mr. A. C. Castle appeared on behalf of the Pharmaceutical Society, and the affected person was represented by Mr. Frank Milton, barrister. Mr. Castle said that the affected person was a registered chemist and druggist. In about 1933 he obtained employment as head dispenser in the drug department of a limited company. Most of his duties were in connexion with the dispensing part of the business, but for one or two hours a day he came in contact with members of the public. In the early part of this year the records of goods purchased were being examined, and it was noticed that a considerable quantity of a certain preparation had been supplied to the firm by two wholesale houses. Inquiries were made and members of the staff interviewed. No one appeared to be familiar with the preparation. It was found that although large quantities had been ordered, no one in the department was aware of what became of it or what it was used for, or whether any sales of it had in fact been made. Suspicions were aroused, and eventually the head detective was brought in. He took the matter up, and later advised that it was a matter for the police, who came in and carried out an investigation entirely on their own. The police went to the two wholesalers and instructed them to mark certain bottles. The position of the affected person was that he was permitted to order goods for use in the dispensary direct from wholesalers and he did not have to go to a senior member of the staff but merely telephone that something was wanted. This was duly dispatched, and the invoices would pass to the accountancy department of the firm for payment. In due course, both wholesale houses received further orders for the particular preparation. There were three bottles concerned in the first charge at the police court to which the affected person pleaded guilty, and when they arrived they were marked as directed by the police. They were lost sight of after that, but were later found in possession of the wholesalers. Meanwhile, they had been returned to the manufacturers, a firm of which the affected person was part proprietor. The affected person was interviewed and charged with stealing these bottles.

Mr. Castle said that the other charges were precisely the same, and in all nine bottles of the preparation were concerned.

In reply to Mr. Milton, Mr. F. C. Jones, of the drug department of the firm concerned, agreed that a number of preparations which came to the dispensing department were "broken up" by the dispenser for use in medicines after they had arrived at the stores. It was possible that the product concerned was used in such preparations, but if so a record of it would have been in the prescription book. An examination of this book for three months had failed to trace such an entry.

On his own behalf the affected person said that the preparation was ordered in quite the usual way. The onus of ordering drugs for the dispensing department was entirely upon him, and he made no attempt to conceal the fact that he was ordering the preparation concerned. The orders were delivered to stock room, where they were handled by two assistants, and were then brought to the drug counter or dispensary, where they were available for anyone to see. A large quantity of this was dispensed in what were called "O.P.," which meant "own prescriptions." They had customers who came in with various complaints asking for medicines to give relief, and this preparation was used in the dispensing. In addition to that, there were five thousand assistants in the firm, many of whom came to the drug department for tonics, etc. It was impossible to keep a paper account of the quantities used. The preparation contained a trace of ergot of rye, and was in effect a general tonic. It was recommended for general debility. He considered that he made a mistake in taking a greater interest in this preparation because he was concerned in its manufacture than he should have done. He found that the bottles in question had deteriorated, and, irrespective of what Mr. Jones had said, it was his duty to see that no harmful or possibly dangerous medicines should be allowed to remain on the premises. The quality of drugs was a matter upon which he, as the registered pharmacist, was primarily responsible. It was possible that small quantities might be left in a bottle after prescriptions had been made up, and if he considered it would be unwise to keep it any longer he would tip it down the sink. In this connexion, as he was concerned in the manufacture, he took the bottle away for investigation. He assumed that one of his assistants concerned in the manufacture must have filled the bottles and sent them out again to the wholesalers. Replying to questions by Mr. Castle, he declared that he had no criminal intent at all, and he pleaded guilty to avoid publicity, although it was against the legal advice that was given to him. He did not realise the seriousness of the charges at the time. He did not replace the bottles that he took away because he had no time. He could give no idea as to the number of bottles of this preparation that had been sold in the past twelve months.

After hearing Mr. Milton's address the Committee retired, and on returning the chairman said that the further hearing of the case would be adjourned for approximately twelve months. The affected person would be given six weeks' written notice of when the case would be heard, and the Committee would expect the affected person to be present and satisfy them as to his conduct between the present time and the day of hearing by means of testimony of responsible persons.

The Second Case

The second case concerned an employee of a company who had been sentenced to one month's imprisonment for stealing money belonging to his employers. The Committee heard the case at the beginning of this year, when they adjourned the further hearing for the affected person to produce evidence as to his character in the meantime.

Mr. Castle said that he had two letters from members of the Society in which they gave the affected person a good character. Apparently for five months the affected person had managed a chemist's business for a member who had been ill, and he had a letter from that chemist who stated that he had carried out his duties loyally and with complete integrity. The letter added that the writer was sorry that he could not offer the affected person permanent employment as he was now fit to carry on his duties himself.

After retiring, the chairman told the person concerned that they did not find it necessary to remove his name from the Register. In announcing this decision he told the affected person that he was in a very serious position. The Committee were very glad to hear that he had been doing well from the testimonials he had presented.

Cosmetic Manufacturers' Meeting

THE annual meeting of the Perfumery and Toilet Preparations Manufacturers' Section of the London Chamber of Commerce was held on October 26, when Mr. H. L. Gauntlett (retiring chairman) reviewed the action taken by the Section in connexion with medicine stamp duties. Although there had been no suggestion that the Select Committee on Medicine Stamp Duties, which reported in 1937, would take toilet preparations into consideration, the Committee had, nevertheless, recommended that all toilet preparations for the treatment of the body or for maintenance of health should be subjected to the duty and, further, that if any difficulty arose in distinguishing between cosmetics on that basis, all cosmetics should be dutiable. Last year he had reported, as chairman, that the Chancellor had stated it was not the intention of the Government at that time to give effect to the recommendations of the Select Committee. Early this year, however, it was learned that the Committee's recommendations were being examined, and the Section immediately re-emphasised to the Chancellor the unfortunate position of the industry, which had had no chance of presenting its case to the Select Committee. A further statement of the Section's case was prepared, and the disastrous effect of a revenue stamp upon the appearance of members' products was also stressed. With this statement in readiness, the Chancellor was asked to receive a deputation, but replied that he had seen the preliminary statement submitted the previous year and suggested that, if they had anything further to say, it should be submitted in writing. The full statement was therefore sent in, and the Chancellor replied that he would let them know later on if a deputation was desirable. During the course of his Budget speech this year, the Chancellor declared his intention of reaching a decision on the question of medicine stamp duties before the 1939 Finance Bill. In those circumstances, the Section again communicated with him, recapitulating their views and asking once more that they might have an opportunity of seeing him personally and answering any questions he might care to put.

Mr. Gauntlett reported that the Section had continued its efforts towards uniformity in the terms and conditions on which goods returned by customers were renovated. An agreement amongst members in respect of perfumery and toilet soap had been satisfactorily operated for some years, and it was hoped, with the extension of the scope of the membership of the Section which took place in 1937, that the agreement would be extended.

As usual, trade mark questions had taken a prominent part in the Section's work. In accordance with its established policy, the Section took exception to an application for registration of a certain trade mark on the ground that it was already used by members of the Section in conjunction with other words; and to a proposal to register another word on the ground that it was inimical to the interests of members that words descriptive of flowers should be registered. The Section had been successful in obtaining a disclaimer to the exclusive use of two words which had been combined in a single trade mark by another applicant; while negotiations had been going on for some time with the agents of a firm who wished to register a term which the Section considered to be descriptive and therefore not appropriate for registration.

Mr. Gauntlett said a case concerning liability for claims in respect of alleged injury from the use of toilet preparations had occurred in the Courts during the year that led the Section to give careful consideration to the position of its members in this respect. A useful step had been taken in the creation of a confidential record of claims received by members—a pool of information which members would doubtless find useful for consultation should future cases arise.

Election of Officers

Mr. S. C. Johnson (Morny, Ltd.) was elected chairman of the Section in succession to Mr. H. L. Gauntlett (R. F. White & Co., Ltd.), and Mr. Lyddon Gardner (Yardley & Co., Ltd.) was appointed deputy-chairman, to succeed Mr. P. G. Pattinson (Bourjois, Ltd.).

Trade Notes

NEW SKIN OINTMENT.—Alfred Fennings, Cowes, Isle of Wight, has introduced a new ointment for the treatment of various skin lesions. Chemists may obtain a supply of a booklet for counter distribution, counter wrappers and showcard, carriage paid, on application.

NATIONAL SAVINGS.—The National Savings Committee, London, S.W.1, direct the attention of employers as well as of employees to the advantages of the National Savings holiday club. The committee are prepared to send a representative who will explain the scheme. Membership cards, books, etc., are provided free.

HONEY AND ALMOND CREAM.—A special offer in return for window or other display is made by Lysol, Ltd., Raynes Park, London, S.W.20, in connexion with Hinds' honey and almond cream. Chemists are invited to fill and send in the coupon which appears on another page.

B.P. MEDICINAL PARAFFIN.—Barter Trading Corporation, Ltd., 14 Waterloo Place, London, S.W.1, direct attention to liquid medicinal paraffin (B.P. grades) which is stated to be an Empire product of the finest quality.

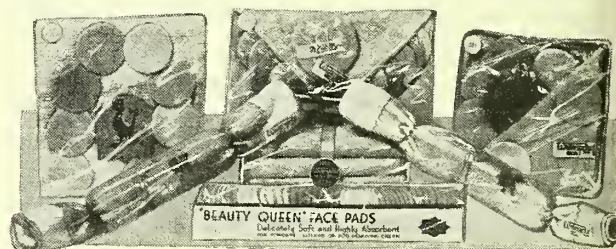
ASMOLIN, made by D. Mawdsley & Co., 2 Riga Street, Manchester, 4, is obtainable on permanent bonus terms, details of which are given elsewhere in this issue.

HAND-LEVER TABLET MACHINE.—J. W. Pindar & Co., Drakefell Road, Brockley, London, S.E.4, advertise small hand-lever tablet machine useful for hospitals, laboratories, pharmaceutical schools, etc.

ZILLA DEODORANT.—Lacoste et Cie, 15 Three Crown Square, London Bridge, S.E.1, have introduced a new pack for Zilla in 1-oz. round bottles, and the introduction of a new colour—natural (pale green)—in addition to the ordinary red. The new product is packed in display boxes of seven—four natural

and three ordinary—in accordance with request. This amounts to a bonus offer of fourteen to the dozen.

SOLPORT BROTHERS' PRODUCTS.—Illustrated on this page is a selection of some of the novelty articles designed and manufactured by Solport Bros., Ltd., 184 to 192 Goswell Road, London, E.C.1. These products are attractively packed and should prove to be ready sellers as acceptable Christmas gifts obtainable at an economic price. They include the Water-sprite gift pack, which consists of a face square and different articles such as velour puffs, emery boards, orange sticks, and the new Beauty Queen fleecy powder pad. A novel packing of



the face square is prepared in the form of Christmas crackers, each of which is fitted with Tribo manicure accessories as a surprise item. A new accessory—the Beauty Queen face pads—is issued in two sizes, one package containing twenty-four and the other forty-eight absorbent fleecy puffs intended for the application of rouges and lotions and the removal of creams. The absorption value of such pads is all-important, and it is stated that Beauty Queen pads compare very favourably with others on the market.

Personalities

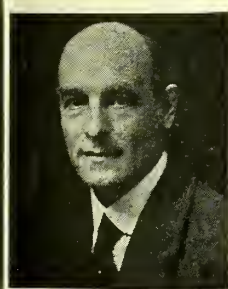
Mr. F. A. BOGGIANO, M.P.S., 14 St. Mary's Road, Garston, Liverpool, obtained L.R.C.P., M.R.C.S. diplomas at the recent examinations held in London.

Mr. E. REX HODGSON TODD, son of Mr. E. Hodgson Todd, M.P.S., Burslem, Staffs, has recently passed the Final examination for the M.R.C.S., L.R.C.P. diplomas.

Dr. G. STAFFORD WHITBY, at present Director of the Division of Chemistry, National Research Council, Canada, and formerly Professor of Chemistry at the McGill University, Montreal, has been appointed Director of the Chemical Research Laboratory, Teddington, in succession to Sir Gilbert Morgan, F.R.S., who retired on September 30.

Mr. HAROLD MALEY, M.P.S., son of Mr. G. Maley, M.P.S., Douglas, I.O.M., has secured a commission in the 15th (Isle of Man) Anti-Aircraft Brigade, R.A. (T.A.). Mr. Maley, who is in charge of his father's Strand Street pharmacy, served in the Army for over four years during the war, and held a commission in the Devon Regiment.

ALDERMAN CHARLES DAVIS, Leamington Spa, who has been co-opted to the Council of the Pharmaceutical Society (see



ALDEPMAN C. DAVIS

page 499 of this issue), has been in business in Leamington since 1906. His apprenticeship was served at Riverhead, near Sevenoaks, Kent, and he had experience at Deal, Brighton and London before qualifying in 1898. After passing his examination he joined Symes & Co., Ltd., Liverpool, and was with them for eight years before going to Leamington Spa to take over the old-established business of his family. He has served as secretary of the Warwickshire Pharmaceutical Committee, chairman of the Coventry and Warwickshire Branch of the Pharmaceutical Society, and was one of the founders of the Leamington and

Warwick Pharmacists' Association and of the Warwick County Pharmaceutical Association. Last year he was elected chairman of the Warwickshire Insurance Committee. In 1937 he was elected Mayor of Leamington Spa and re-elected this year.

Births

Notices for insertion in this column must be properly authenticated.

COPELAND.—On October 26, Ivy Florence, the wife of Reginald Victor Copeland, M.P.S., St. Austell, Willett Way, Petts Wood, Kent, of a son.

WARNER.—At the Hospital, Berkeley, Glos., on October 26, the wife of V. S. Warner, M.P.S., of a daughter.

Marriages

McWHIRTER—STOUT.—At Queen's Cross Church, Aberdeen, on October 28, by the Rev. W. W. Gauld, M.A., Magnus, eldest son of Mr. and Mrs. McWhirter, Vidlin, to Jessie Alexandra, youngest daughter of the late Mr. Charles B. Stout, Medical Hall, Lerwick, Shetland.

Golden Wedding

GILMOUR—FORRESTER.—At the Sheriff Court, Glasgow, on November 1, 1888, James Pinkerton Gilmour, senior assistant to Mr. Alexander Kinninmont, Ph.C., 69 South Portland Street, Glasgow, to Ann Smith Forrester, younger daughter of Mr. Alexander Forrester, 107 Ingram Street, Glasgow. Present address: 96 Hillway, Highgate, London, N.6.

Deaths

BORTHWICK.—At 9 Learmonth Place, Edinburgh, on October 29, Mr. William Borthwick, a partner in A. K. Stewart & Co., chemists, 1 Lynedoch Place, aged fifty-three. Mr. Borthwick, who was a quiet unassuming man, with few interests outside business, was a native of Peebles, and served his apprenticeship in that town. He had been associated with A. K. Stewart & Co. as assistant and partner for thirty-four years. He is survived by his widow and son, Dr. J. B. Borthwick.

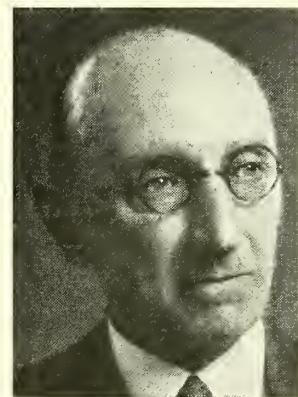
BROTHERTON-RATCLIFFE.—At The Tower, Kenley, Surrey, on October 30, Mr. Edward Brotherton-Ratcliffe, aged fifty-three. Mr. Brotherton-Ratcliffe was the son of the late Mr. F. E. Ratcliffe, and founder of Brotherton-Ratcliffe & Co., Ltd., chemical merchants, Winchester House, London, E.C. He was also a director of Brotherton & Co., Ltd., and Lysol, Ltd.

DUFF.—At 26 Havelock Street, Glasgow, on October 31, Mr. Peter M. Duff, M.P.S., secretary of the Glasgow and South Western Scottish Branch of the Pharmaceutical Society. Mr. Duff served his apprenticeship in Kilmarnock and later joined the staff of the New Apothecaries Co., Ltd., Glasgow. He qualified in 1915. Mr. Duff took an active interest in all pharmaceutical affairs, and among the various offices he has held are the presidency of the Scottish Pharmaceutical Federation, and for many years he was on the North British Executive of the Pharmaceutical Society and also sat on the Pharmacy Subcommittee of the Royal Technical College, Glasgow. Mr. Duff had a number of activities outside pharmacy, being an ardent golfer and fond of music. He was a Freemason and a past-master of the Pollokshaws Royal Arts Lodge. He is survived by a widow, two daughters and one son, the last mentioned being a medical practitioner.

MOIR.—At 63 Stevenston Road, Kilwinning, on October 26, the wife of Mr. James A. Moir, M.P.S.

MORGAN.—At the County Hospital, Haverfordwest, on October 30, Alderman W. Palmer Morgan, Ph.C., J.P., Narberth, aged eighty-one. Mr. Morgan, who recently underwent an operation, was well known in South Wales owing to the important part he played in local affairs. Among other offices which he had held are the chairmanship of the Pembrokeshire County Council and of the County Educational Committee. He was chairman of the Pembrokeshire Standing Joint Committee and of the Narberth County School Governors. His son, Mr. C. P. Morgan, M.P.S., carries on the business at Market Square, Narberth.

STEPHENSON.—At Edinburgh, on October 29, Mr. Thomas Stephenson, D.Sc., Ph.C., F.R.S.E. The son of Mr. J. B. Stephenson, one of Scotland's most notable pharmacists, Dr. Stephenson served his apprenticeship with his father, and qualified in 1886, shortly afterwards going to Bombay as assistant to Kemp & Co., Ltd. Subsequently he became manager of Phillips & Co. He returned to this country in 1902, purchasing a pharmacy in George Street, Edinburgh. Always taking a keen interest in pharmaceutical affairs, Dr. Stephenson became a member and later chairman of the North British Branch of the Society, and was local secretary on the occasion of the 1912 Edinburgh meeting of the British Pharmaceutical Conference. In 1906 Dr. Stephenson founded the monthly journal "The Prescriber," dealing with therapeutics and treatment, and he remained editor until the date of his death. A keen rotarian, he was secretary of the Edinburgh Club and president in 1923-24. He was also president of the Rotary International Association of Great Britain.



Mr. T. STEPHENSON, D.Sc.



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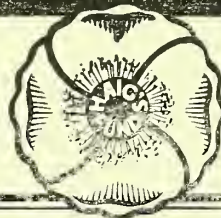
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20 YEARS AGO

"They shall grow not old, as we that
ore left grow old:
Age shall not weary them, nor the
years condemn.
At the going down of the sun and in
the morning
We will remember them."

Poppy Day is the finest opportunity we have to remember, in a practical way, the heroism and sacrifices of the War. Poppy Day finances the work of the British Legion for the survivors, thousands of whom to-day are gravely handicapped by age, sickness and the strain of the War years. These men, and the dependants who share their need, have the strongest possible claim on your sympathy. Please help the Legion to help them by giving as much as you possibly can for your Poppies of Remembrance.

POPPY DAY

Nov. 11

DONATIONS will be thankfully received by Poppy Day Committees or by Captain W. G. Willcox, M.B.E., Organising Secretary, Haig's Fund, 29, Cromwell Road, London, S.W.7. POPPY SELLERS ARE URGENTLY NEEDED. Ladies willing to volunteer for this work should communicate with the Local Committees or the Headquarters of Haig's Fund.

SHOPS ACTS CARDS. Price 1s. each, by post, 1s. 9d.

THE PHOTOGRAPHIC CHEMIST. Price 3s. 6d., by post 3s. 8d.

THE ART OF DISPENSING. Price 10s., by post 11s.

DISEASES AND REMEDIES. Price 7s. 6d., by post 7s. 10d.

VETERINARY COUNTER PRACTICE. Price 10s. net, by post 10s. 6d.

PRACTICAL METHODS OF URINE ANALYSIS. Price 4s., by post 4s. 3d.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

F/11 Culpa	H/11 Pompadour powder made
H/25 Minipax	by Rubis, of Paris
R/24 Peptonised cod liver oil	B/11 Popular package-sealer
M/22 K.I.S. blade protector	B/25 R.U.R. for rheumatism

THE

CHEMIST AND DRUGGIST

VOL. CXXIX

November 5, 1938

NO. 3065

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P.A.T.A. Warns The Trade

ALL branches of the trade concerned with proprietary articles will be interested and gratified to learn that the Proprietary Articles Trade Association is making a determined effort to put a stop to price-cutting of protected medicines. They have issued a circular giving a warning to wholesalers and retailers that in future no leniency will be shown to any firm supplying cutters or their agents. It has been decided by the Executive Committee of the P.A.T.A. that drastic action should be taken against any supplier to price-cutting firms, and the Association will not hesitate to exercise the provisions contained in the rules for imposing fines on retailers and wholesalers who are concerned with this type of business. It has been obvious for some time that the P.A.T.A. have had much difficult work in tracing and closing sources of supply to cutters. The method of procedure is now well known, and it is apparently true that retail chemists themselves are proved to be among the chief culprits. For two years, we understand, wholesalers who are not members of the wholesale section of the Association or retailers have supplied, nearly always for cash payment, protected articles to strangers who take immediate delivery of the goods and call for further supplies. Whatever reasons may be put forward by price-cutters or their agents, it is obviously a sore temptation for a retail chemist, who is offered cash down for goods, to supply cutters or their agents. Nevertheless, those chemists who take part in such transactions are doing a disservice not only to pharmacy in general, that is to say including themselves, but they are keeping alive the fallacy which long ago should have been ended that chemists charge too much for their products. Obviously, the public wish to buy in the cheapest market, especially where proprietary articles are concerned and where there is no question of varying quality to be raised.

The damage done to pharmacy in general by price-cutters is, therefore, considerable, and it is, indeed, to be deprecated

that retail chemists in many parts of the country are themselves engaged in this type of trading. Apart from that, there has also to be considered the effect on the Proprietary Articles Trade Association itself which for over forty years has laboured and succeeded, with this unfortunate exception, in maintaining what can by no means be described as an excessive profit, but one which at any rate is definite. If pharmacists themselves are attacking their own trade in this fashion, then it is difficult to see how they can object to outsiders continuing their attempts to keep pharmacy on a level which is far below its proper position in the trading community. Retailers who are approached by price-cutters or their agents should in loyalty to their fellow pharmacists immediately communicate with the P.A.T.A., who will take the necessary steps.

Steadier Markets

CONDITIONS in the markets are now a good deal more settled than they were five weeks ago, yet, for various reasons, there is not that confidence which is essential to the development of trade on steady lines. The war scare has died down and neither buyers nor sellers are now seriously concerned on this account, it being the general opinion that, at worst, a fairly prolonged period of uninterrupted trading is to be expected. One of the chief factors which is adversely affecting markets is the uncertainty as to how rates of exchange may move during the next six to twelve months. For some little time sterling has been weak; it may yet experience still further temporary depression. Some of the Continental currencies and, possibly the American dollar, may depreciate in a marked degree, even to the extent of necessitating re-valuation. The possibility of such movements in exchange values calls for a policy of caution. Both at home and in most overseas countries costs of production and transport have been gradually increasing, and there is nothing to suggest they will be less in the future. This, together with the point that many commodity values have been below the economic level for some time, indicates that general market quotations are not likely to be discounted, but may have to be increased.

The recent advance in the scale of sales prices for quinine salts in this country is an instance of the effect of the present weakness in sterling exchange values; similar adjustments in the prices of some other products may be found necessary. Sales prices for most of the products of the home manufacturers have been keeping steady, but some movements at the end of the year to rather higher levels would not be altogether unexpected developments. Some months ago it seemed possible there would be an upheaval in the vanillin market. The new sources of supply in Canada and America, using an extremely cheap raw material, have certainly brought down sales prices in those countries but this market has not been affected. Tannic acid may advance on the shortage of China galls.

Considerable interest has recently been taken in the crude drugs and essential oils chiefly or entirely obtained from China. The latest developments of the Japanese campaign, the capture of Hankow and the isolation of Hong Kong from the interior, must mean that for the time being shipment business has practically ceased. Meanwhile, the stocks of China produce held here are appreciating in value. Supplies of rhubarb are limited, if the wormy and old material is excepted, and both London and Continental quotations are advancing. Manufacturers of ephedrine

need not be seriously handicapped, except, possibly, in the price they may have to pay for their raw material. Increasing quantities of the herb are now being shipped from India. Of the essential oils obtained from China, the most important is star anise. London prices had been falling for some months, and in consequence there has been comparatively little shipped to this market recently. The modest stocks on the market are quoted at an advance, but even at today's price they still show some importers a slight loss. In the event of no shipments for some time ahead the price seems likely to reach up to 5s. per lb. Ho or shiu oil is in very short supply here, and already high values are ruling. Cassia, which has been a depressed market all this year, shows some recovery, but the value of this product is limited by the price of the synthetic substitute. London prices for Chinese antimony have increased sharply during the past two weeks.

In other directions a unique position has been reached in London in Sicilian lemon oil. Prices have been maintained at high levels all the year and supplies have been gradually depleted here so that, today, it is extremely doubtful if there is more than two to three hundredweight of genuine branded oil available here. Importers have been disinclined to bring forward supplies at high cost with the possibility of the market weakening. New crop quotations are expected shortly and the reports from the source suggest that, on account of the inclement weather the crop of oil will be below normal and that no easing in the price is to be anticipated. The control of the quality of the oil shipped has been beneficial, but it is doubtful if the majority of the consumers in this country will willingly pay more than 10s.

per lb. for this important raw material; many of them have already found that oils, with citral added, are satisfactory for their purposes.

Poison Law and Nonsense

AMONG the Pharmacy Act cases reported in *THE CHEMIST AND DRUGGIST*, October 29, p. 473, was one concerning the sale of mercuric iodide in a proprietary soap. In dismissing the summons the Stipendiary is reported to have said: "What appeared to be nonsense was that Mr. Sirotto's assistant could have been entitled to sell the preparation by merely being a listed seller, although it contained a Part II poison." This comment exemplifies the difficulties in arriving at the correct interpretation of poison law, and it is a pity that the remarks were apparently permitted to pass without correction. The prosecution is also reported to have stated "that mercuric iodide was a Part II poison which could only be sold by persons who were either authorised sellers of poisons or who were listed sellers. . . ." A germicidal (1 per cent. biniodide) soap containing potassio-mercuric iodide is a Part I poison, and for purposes of the First Schedule to the Poisons Rules its exemption limit (1 per cent. HgI) is declared in terms of mercuric iodide, but this does not make the biniodide into a Part II poison. If the soap contains 1 per cent. weight-in-weight of mercuric iodide added in the form of potassio-mercuric iodide then it is a First Schedule poison (exemption limit below 1 per cent. HgI), but if some of biniodide is transformed during manufacture then the product is exempted from Schedule 1 (Ex. S.1). In any case, the sale of mercuric iodide by a listed seller or his deputy is restricted by Poison Rule 14 (2) (a) to agricultural and horticultural fungicides and insecticides on seed and bulb dressings, and the Stipendiary's statement is also nonsense. However, if the mercuric iodide were present as a dressing on seeds or bulbs it could be sold by anyone. The case is interesting in that both prosecution and magistrate were at fault on poison law facts.

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on October 25, Mr. S. J. Stearn in the chair.

CHEMISTS' FRIENDS SCHEME

Applications from three firms for inclusion in the C.F. list were accepted; in each instance the application covered all proprietary medicinal products marketed. The C.F. Committee reported that distribution of C.F. products in rural areas had been under consideration. It was decided that chemists in such areas should be urged to provide as complete a service as possible, and to see that the public knew of the facilities they offered, in order to combat representations that are being made by unqualified traders to C.F. manufacturers and other interested parties, in the hope of undermining the C.F. principle of limited distribution.

NATIONAL HEALTH INSURANCE CONTRACT

It was reported that, following the Conference of Representatives of Pharmaceutical Committees, the Minister of Health had agreed to replace the current contract by a new contract providing for payment in full as from January 1, 1938, the contract being for a period of five years and subject to withdrawal of claim for special payment in respect of the year 1937. The Minister indicated that while he would not refuse to receive any representations which the Union might submit during the period of the contract, as to the adequacy of the chemists' remuneration, he desired to place on record the view that the present dispensing fees are adequate under existing conditions. The Executive, acting on authority given by the Pharmaceutical Committee Conference, formally accepted the new contract. It was decided that the Minister should be informed that the Union could not agree that the present dispensing fees were adequate.

DRUG TARIFF

Proposals put forward by the Ministry of Health for the re-arrangement of the Drug Tariff to facilitate ease of reference were agreed to, on the understanding that the re-arrangement would in no way affect the fees at present involved.

LOCAL ORGANISATION

The Executive adopted the report of the General Purposes Committee on the programme of branch meetings during the winter session. It was reported that a new branch, to be known as the Doncaster, Goole and District N.P.U. Branch, had been formed, and that steps had been taken to secure the formation of branches in Dartford, Folkestone and district, Tunbridge Wells and district, and the county of Monmouth.

C.D.A. Matters

The secretary reported that negotiations were still proceeding in respect of six cases outstanding since the last meeting of the directors, and that there had been no further developments in twenty-three cases which had been considered at the previous meeting. Three claims had been settled as follows:—Customer's fur coat damaged by gas fire in shop (payment of £4 14s. 6d.); damage to handbag and gloves by leakage of bottle containing hydrogen peroxide and ammonia (payment of 17s. 11d.); remedy for thrush alleged to have caused injury (payment of £5 and costs). The remaining cases were left in the hands of the secretary. Fourteen new cases had arisen during the month, and of these four had been settled:—Ailment caused by foreign ingredients in eye drops (payment of £5); ladder damaged by cycling errand boy (payment of 10s.); car damaged by cycling errand boy (payment of £1 5s.); customer's coat burnt by contact with gas jet (payment of £1 1s.). It was reported that proceedings against four members under the Dangerous Drugs Act and Pharmacy and Poisons Act had been defended. In one case the member had been fined. In the other cases, the summonses had been dismissed. A report on legal advice, and on fifteen analyses provided during the month, was received.

Modern Pharmacy Lighting

BEFORE reviewing the new developments in shop lighting most likely to be of practical interest to the pharmacist, it may be as well to give brief reconsideration to the methods and fittings discussed in the 1937 review of shop lighting progress (*C. & D.*, 1937, II, 258) to ascertain which have, in practice, made the most valuable contribution to improved standards of pharmacy illumination. Louvred fittings were the first mentioned. These have proved efficient for both interior and window lighting, though their possibilities for the latter purpose are by no means fully appreciated. For best results, louvred fittings should be sunk into the ceiling or false ceiling; but where this is impossible owing to height or other difficulties the chemist has the alternative of pendant or close-ceiling fittings of various designs in which the same principle is applied. Reflectors used with these louvred fittings are of anodised aluminium, a material which is harder than glass while having a surface of higher reflective quality. The curves, the object of which is to prevent glare and to ensure a maximum downward concentration of light, are of stove-namelled, matt-surfaced metal. Cream is the standard finish

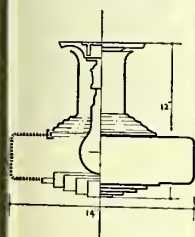
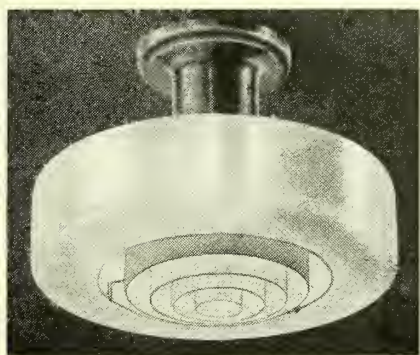


FIG. 1.—Bowl with louvred base. Diagram illustrates construction.

Troughton and Young, Ltd.)



but, if a more decorative effect is desired, any other colour can be used without affecting the intensity of the light. Fig. 1 shows a bowl of diffusing glassware fixed a few inches from the ceiling and having a louvred base; the makers are Troughton & Young, Ltd. This combines an even distribution upwards and outwards with downward concentration, and would be suitable for a pharmacy with a fairly low ceiling. For higher ceilings the same unit could be suspended on a rod or chain.

Pendant Fittings

Last year's review pointed out the possibility of pendant lighting systems remaining popular notwithstanding more ambitious developments in designed and decorative illumination. That impression is deepened this year by the knowledge that several entirely new principles of lighting (referred to in the second part of this article) are applied to pendant fittings as well as to built-in units. Many of the pendants combine even diffusion with strong but glareless downward concentration. For pharmacy lighting, they are more efficient and less costly in both installation and consumption than the much-vaunted semi-indirect systems. It is easy for the pharmacist who contemplates modernisation to be carried away by the eulogistic descriptions and spectacular demonstrations of lighting experts as to the aesthetic and decorative possibilities of modern illumination; but it is as well to remember that lighting methods which prove satisfactory in a fashion salon or furniture showroom may be inappropriate for a pharmacy.

Tubular Lighting

The concluding paragraph of last year's lighting article dealt with fluorescent principles. These have been applied in two ways, and even, to a limited extent, to window lighting; but the principal advantages of fluorescence have been manifest in the improvements brought about in the so-called neon lighting. A striking, and probably unique, example of neon employed on generous lines for the combined illumination of a pharmacy shop-front and windows is provided in the premises of H. Jeffries & Co., 23 High Street, Guildford. This shop-front incorporates a passage which, although not a right-of-

way, is used by the public as a short cut to a parallel street. When the shop-front was reconstructed by Maund & Berg (F. Maund & E. Berg (Show Cases), Ltd.) the plan of the windows was altered to enable this passage to be put to good use for display purposes.

Some idea of the change effected can be formed from a glance at the accompanying illustrations, taken before and after reconstruction. A splayed corner entrance, with island case immediately in front of it, a succession of display windows on either side of the passage, and brilliant lighting, have transformed the shop.

The windows are illuminated by three rows of luminous tubes forming a frieze of brilliantly coloured or beauty counter; blue-glass-faced reflector light above the displays. These tubes, (Elkay Electrical Manufacturing Co., Ltd.) installed by Franco Signs, Ltd., are kept alight by day as well as by night. Together with the word CHEMISTS in luminous lettering on the centre of the surround, and an electric flambeau on either side, they make the shop exceptionally conspicuous to motorists and pedestrians alike.

Another pharmacy in Guildford provides opportunity for a study in contrasts. The horizontal portion of the surround carries the word CHEMIST and two spandrel decorations in luminous tubing, while the cornice above is marked by another line of neon. Brackets near the tops of the vertical portions of the surround carry electric flambeaux. (These, unfortunately, were not working at the time the photograph was taken.) The name is introduced on the over-transom glazing behind which are three pear-shaped carboys and a pharmacy jar. It is a pity that this part of the front is left in semi-darkness. A small shell-shaped reflector, fitted with a 25-watt lamp behind each carboy, would illuminate these symbols in colour, turn this portion of the front into a panel of light, and add greatly to the attraction of the shop-front. Alternatively, a strip of neon tubing might be run along the top behind the plate-glass. Over the entrance is a hanging box-type sign, with the word "Chemist" and two carboy designs stencilled on the front panel. It is possible that this would prove redundant if the over-transom were illuminated in either of the ways just mentioned, for no good purpose is served by needless repetition of words and symbols. The windows are well lit by oblique-mouthed metal reflectors; but the principles of good lighting are ignored because the reflectors are exposed to the view of shoppers. If fitted below the window soffit, as in this instance, they should be concealed by pelmets, and it may be well to give brief consideration to these furnishings. They can

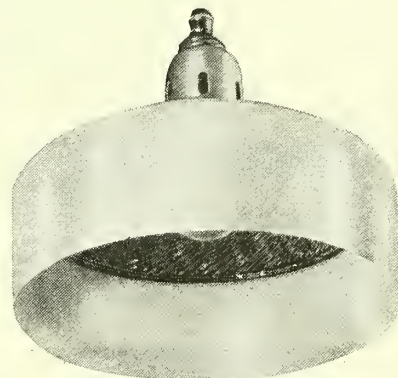


FIG. 2.—Pendant fitting suitable for cosmetic or beauty counter; blue-glass-faced reflector provides semi-corrected light.

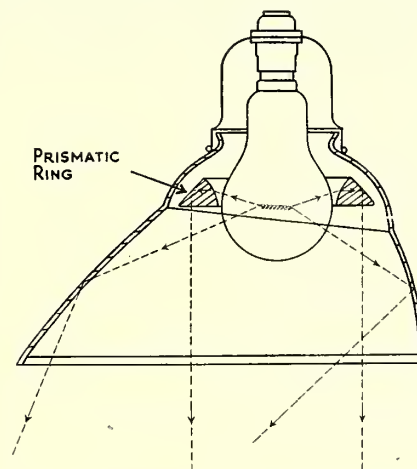
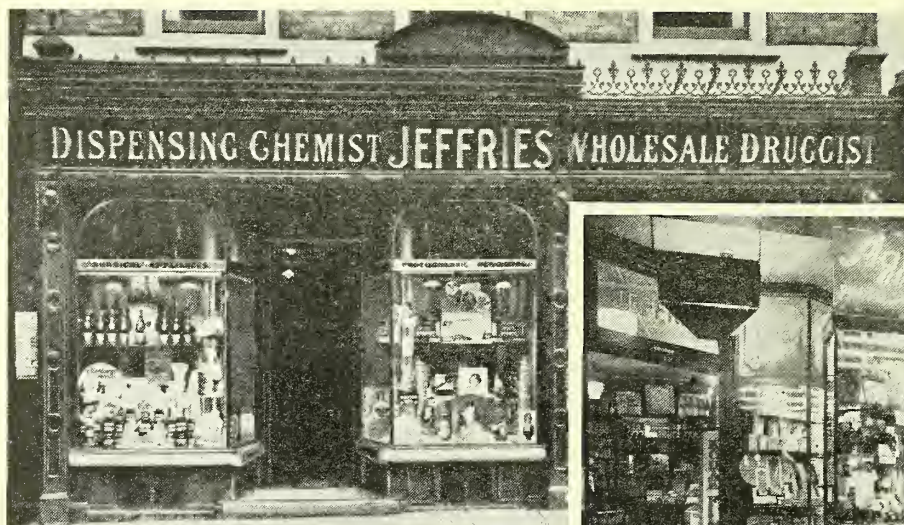
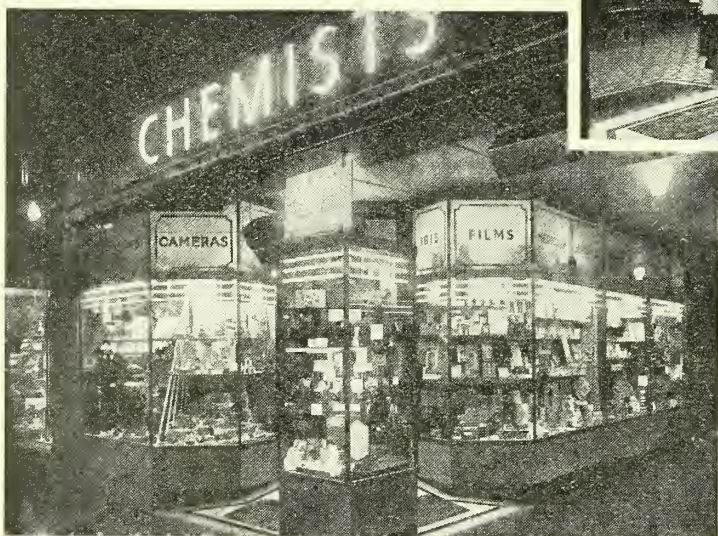


FIG. 3.—Sectional view of reflector fitted with prismatic ring. (Amphilux Lighting & Illumination Co., Ltd.)



Premises of H. Jeffries & Co., Guildford, Surrey. Left, Before alteration. Left, below, New entrance, showing illuminated fascia, island showcase, illuminated pelmets, continuous tubular lighting. Right, Another view of entrance, showing windows on far side of passage-way to parallel street.



violet rays from the lamp. To produce a satisfactory effect the window must be in comparative darkness (street lighting would not greatly affect it) so that the specially treated articles only are seen. This obviously limits the use of such methods to night display. The window's powers of attraction might be increased by having normal and ultra-violet lighting alternated by means of a flasher causing the ordinary lighting installation to come on and off at intervals. The ultra-violet lamps, which are of black glass, would need to be left in operation the whole time, as they cannot be brought into action quickly in the same way as ordinary lamps.

Blended Lighting

The most important development of the present season is blended light. This was introduced in an experimental way into several stores last year and now seems likely to bring about a revolution in both shop interior and window illumination. It has been adopted by a multiple firm of chemists, but the writer has no knowledge of any installation of this kind in an "individual" pharmacy. Blended light, which involves the use of choke and condenser, consists of a combination of mercury-vapour lighting with that of ordinary gas-filled tungsten lamps. The ratio is generally 80-watt mercury to 200-watt tungsten. For lighting windows by this method trough units can be obtained with light-diffusing glass fronts fitted with an 80-watt mercury lamp in the centre and a 100- or 150-watt lamp on either side. Alternatively, where the window is equipped with ordinary reflectors, the centre lamp of every three can be of mercury. For interior lighting the lamps can be fitted in pairs in ordinary enclosing globes of opalescent glass. The advantage of blended light is that it gives a closer approximation to natural daylight and thus shows displayed articles in their truer colour values. The installation of artificial daylight lamps on the cosmetics counter might be worth consideration. There are some half-dozen different types of these, fitted with blue-tinted glass filters which extract the yellow-red rays and enable such items as face-powders and lipsticks placed immediately beneath the lamp to be seen in the same tones as they appear under natural daylight conditions. For the dispensary a form of partial correction ensures a more pleasant working light. Totally-enclosing or open-bottomed fittings for internal use can now be obtained with these partially correcting reflectors incorporated into the upper portion (fig. 2).

There are several devices obtainable which enable better light to be obtained without any increase in wattage, or which, alternatively, allow the existing standard of lighting efficiency to be retained with lamps of lower wattage than those pre-

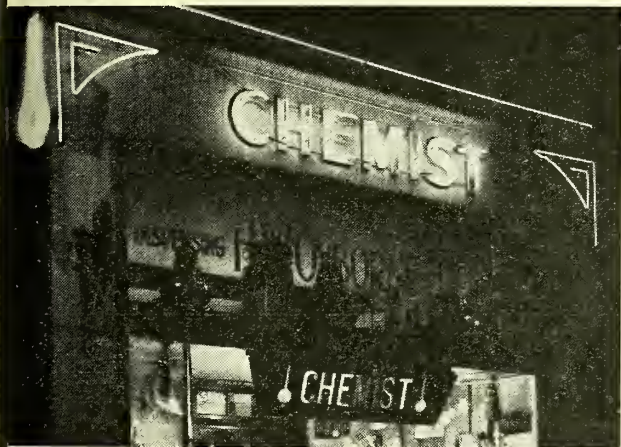
be obtained in stout paper, plywood, metal, glass or fabric, but of these materials the last-mentioned is probably the most serviceable. Flimsy fabrics should be avoided and a backing of buckram or some such material should be added to ensure reasonable stiffness. Pelmets can be made to serve a dual purpose by introducing lettering or symbols in synthetic translucent material (such as rhodoid) in suitable colours. In a pharmacy at Epsom the pelmets have carboy designs in the centre that take on a luminous effect by night. One of the most recent varieties of pelmet is made of spongeable imitation hide, with slots or pockets in which vertical or horizontal rows of tiny glass rods are fitted. By night, the street lighting causes these glass decorations to scintillate so that they appear to be illuminated from the back.

Fluorescence

The application of fluorescent principles to luminous-discharge tube lighting has enabled new and better colours to be introduced and a higher level of electrical efficiency to be obtained. The tubes are coated with a powder of which the constituents are excited by ultra-violet rays and caused to give off light. This conversion of ultra-violet rays (normally invisible and therefore wasted) into wavelengths that are visible to the human eye means that electrical energy formerly lost is now made productive. The other method of employing fluorescent materials has at present limited possibility for pharmacy display purposes. It involves the use of ultra-violet ray lamps in conjunction with articles coated with fluorescent paint or covered with fluorescent rhodoid, either of which is responsive to and therefore rendered luminous by the invisible ultra-

ously used. For example, there is a prismatic glass ring held in position by a bracket so that the top thin edge of the ring is in line with the bottom of the filament. This ring, which has a specially prepared inclined surface, collects light rays from the lamp that are normally wasted horizontally and directs them downwards and outwards to give extra illumina-

from the more central beam thrown downwards by the prismatic glass ring (fig. 3). For shop-interior use the ring is employed in conjunction with velvet-finished glassware tinted in amber, green or pink. Another type of light-controlling device is one which can be fixed on to an ordinary bulb lamp before the lamp is fitted into its holder. This takes the form of a



Premises of H. W. Osborne, Ltd., Guildford

on on "the working plane," which may be the serving or dispensing counter or display window. A prismatic ring for use with window reflectors has been so designed that the rays emitted from the lamp above the horizontal plane are directed on to a certain defined area immediately below, while the rays emitted in a horizontal direction, or immediately below the horizontal, are caught by the reflector and spread away



Pelmet at an Epson, Surrey, pharmacy

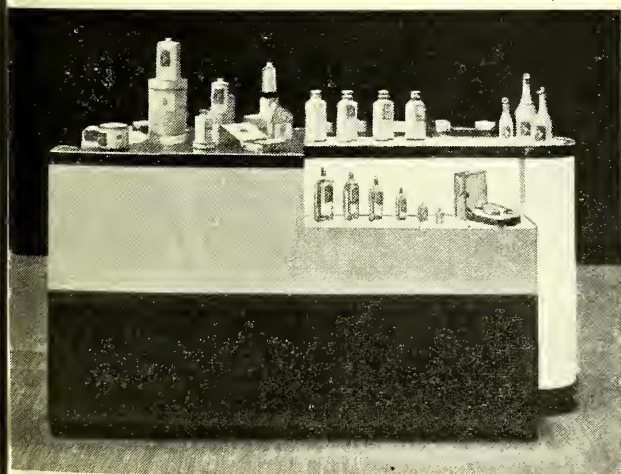
miniature reflector of anodised aluminium supported by the lamp itself and prevented from slipping off by the bulging lower portion of the lamp. For colour-lighting effects, these small supplementary reflectors can be obtained in red, green and blue, thus obviating the need for either colour-sprayed lamps or colour screens. Movement combined with concentrated light is an excellent method of directing attention to a special line of goods in the window. This can be achieved simply and inexpensively by means of a turntable and a spotlight, both left working after hours, when the rest of the lights have been turned out. The two can be automatically stopped at a given hour by the same time switch.

Lighting Demonstration

RECENTLY the Lighting Service Bureau conducted by the Electric Lamp Manufacturers' Association at 2 Savoy Hill, London, W.C.2. was re-modelled. Among the shop lighting methods demonstrated are troughs containing one mercury-



Louvers sink in soffit to direct light vertically downward



Illumination of modern counter to attract customers and show stock to advantage by use of lamps behind diffusing glass

vapour between two tungsten lamps (see preceding article); serving counters illuminated from above by louvered fittings sunk into soffits (see illustration, right); counters incorporating illuminated features of various kinds (example left); suggested methods of dealing with special cases, such as return walls where windows are set back from the building line; and many others. The Bureau is open to inspection by any retailer who cares to investigate the possibilities of other methods than those which he is at present using, and those who take advantage of the opportunity are recommended to see also the arrangements of lamps in the architectural room. Though many of these are inapplicable to shops, others may provide valuable ideas, particularly to pharmacists wishing to give a touch of individuality to their premises.



Suggested method of illuminating display cases in recess

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, November 3

BUSINESS has been mostly routine in character this week, with the volume only moderate. The general tone is quite steady, and values are fully maintained, with a number of items tending dearer. Editorial comment on the general position is given on p. 505. Sterling shows a further slight weakness on exchange, and this is reflected in many stronger shipment markets. Re-export trade to the Continent, chiefly to Baltic countries, continues on a fair scale. In the PHARMACEUTICAL CHEMICALS markets business has been fairly satisfactory, with the winter season lines meeting with good business. There are no changes of importance to record in quotations. EPHEDRINE HYDROCHLORIDE, B.P., continues to sell well at full prices. SALICYLATES, BROMIDES and IODIDES are attracting more inquiry.

Crude Drugs

A rather quieter tone is evident in this market, but business is moving steadily on moderate lines and values, with hardly any exceptions, are firm. China produce tends to advance, with spot supplies limited and no shipment offers. Quotations for new crop AGAR are being well maintained. A shipment of CURAÇAO ALOES has arrived here which relieves the position a little, but values are very firm; shipment offers for distant position only. The demand for BUCHU on spot has been slow. More business on spot in CASCARA SAGRADA; no shipment offers from the source. The demand for ERGOT is of little account, and the general tone of the market is not particularly healthy. Sudan GUM ACACIA remains dull. Limited spot supplies of HENNA are quoted steadily. HONEY has had rather a quiet week; quoted unchanged. Steady business in JAPANESE MENTHOL, with values maintained. The demand for RHUBARB continues on a good scale and prices are firm, tending dearer; no shipment offers from China. There has been a surprising move in SENEGA; following a general clearance of spot supplies the price advanced sharply and there are few shipment offers. SENNA has met with a quiet spot sale and all descriptions are quoted unchanged. BEES' and CARNAUBA WAXES have been quiet this week.

Essential Oils

The demand for these products continues rather quiet, while spot values are showing but little change. The group of China oils are naturally firm and tending dearer. Holders of STAR ANISE are selling the limited spot supplies with reserve, with prices tending to harden. BERGAMOT is dearer on sterling; no news yet of new crop, but it is anticipated that prices will be maintained. BOIS DE ROSE is fully steady as quoted on spot. Sales of CASSIA have been quieter, but quotations are fully steady. The advance recorded last week in Ceylon CITRONELLA has not been maintained. EUCALYPTUS is steady, but rather quiet. Bourbon GERANIUM is much steadier, as regards genuine oil. HO (SHIU) continues in short supply and current quotations are firm. The acute scarcity of supplies of both Sicilian and Californian LEMON on spot continues; no quotations for new crop oil yet to hand. LEMONGRASS remains slack. West Indian LIME is very unsettled. Shipment quotations for new crop French Guinea ORANGE are not likely to attract much attention in view of the cheap spot offers. Singapore PATCHOULI is cheaper, due, chiefly, to Java competition. PALMAROSA is fully steady. Japanese PEPPERMINT continues in steady demand on spot, with values maintained. Japanese shippers are only quoting for distant shipment positions.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	October 27	November 3
Amsterdam ...	Fls. to £	12.107	8.77	8.74
Berlin ...	Mks. to £	20.43	11.00	11.87
Brussels ...	Belgas to £	nominal	28.21	28.12
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	110½	110
Madrid ...	Ptas. to £	25.24½	nominal	nominal
Milan ...	Lire to £	92.46	90½	90½
Montreal ...	Dols. to £	4.86½	4.81½	4.78
New York ...	Dols. to £	nominal	4.77½	4.76
Oslo ...	Kr. to £	18.159	19.90	19.90
Paris ...	Fr. to £	124.21	178½	178½
Prague ...	Kr. to £	164.25	138½	138½
Stockholm ...	Kr. to £	18.150	19.40	19.40
Warsaw ...	Zloty to £	43.38	25½	25½
Zurich ...	Frs. to £	25.2115	21.01	20.95

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

TRADE in these products continues on fair lines with seasonal articles of chief interest. Manufacturers' prices for the leading products are steady.

BARBITONE.—Limited demand reported: spot, two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb.

BENZOIC ACID (B.P.).—Makers' scale of prices are unchanged: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. to 2s. 2d. per lb., ex store, as to quantity.

BORAX (B.P.).—Makers' prices steady: granulated, £24; crystals, £25; powdered, £25 10s.; extra fine powder, £26 per ton, in one-cwt. bags, carriage paid buyers' works for minimum 1-ton lots. Extra for smaller quantities. Commercial quality, £8 per ton less for all descriptions.

BORIC ACID (B.P.).—Makers' prices continue steady: granulated, £36 10s.; crystals, £37 10s.; powder, £38 10s.; extra fine powder, £40 10s. per ton, in 1-cwt. bags, carriage paid to buyers' works on 1-ton minimum. Commercial quality, £8 per ton cheaper for all descriptions.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies. 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Quoted unchanged, average small demand: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scale for Continental material, duty paid, in 5-lb. tins, is as follows:—Pure alkaloid, two cwt., 8s. 10d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CHLORAL HYDRATE.—Steady at makers' prices; duty-paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars one penny per lb. extra.

CITRATES.—Makers' prices for POTASSIUM CITRATE are as follows:—

	1 lb. bts. or tins	2 lb. bts. or tins	4 lb. bts. or tins	7 lb. bts., tins or jars	14 lb. bts., tins or jars	28 lb. tins free
Under 4 lb. ...	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. and under 7 lb. ...	2 2	2 0½	—	—	—	—
7 lb. " " 14 lb. ...	2 1	1 11½	1 11½	—	—	—
14 lb. " " 28 lb. ...	2 0	1 10½	1 10½	1 9½	—	—
28 lb. " " 1 cwt. ...	1 11	1 9½	1 9½	1 8½	1 8½	—
1 cwt. ...	1 10	1 8½	1 8½	1 7½	1 7½	1 7
	1 8	1 6½	1 6½	1 5½	1 5½	1 5

CITRIC ACID (B.P. CRYSTALS).—Routine business reported: British material quoted at 1s. 0½d. per lb. less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity below the scale prices for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Market continues steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Limited inquiry only: bulk quantities, in 25-kilo demijohns, 1s. 6d.; small parcels, 1s. 7½d. up to 2s. per lb., ex store.

EPHEDRINE.—The seasonal demand for hydrochloride, B.P., continues good, with makers' quoting 6s. per oz. for minimum 1,000-oz. lots and up to 7s. for smaller quantities. Pure, alkaloid, is quoted from 7s. 9d. to 8s. 6d. per oz., as to quantity.

GALLIC ACID.—Business of small account: one cwt., 3s.; 56 lb., 3s. 1d.; smaller quantities, up to 3s. 6d. per lb.

METHYL SALICYLATE.—Makers' prices are unchanged: spot, ten cwt., 1s. 1¼d.; five cwt., 1s. 2d.; one cwt., 1s. 2¼d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Spot market dull and competitive: two cwt., 19s. 3½d.; one cwt., 19s. 9¼d.; 56 lb., 20s. 2¼d.; small parcels, up to 20s. 8d. per lb.

PHENACETIN.—Makers' prices unchanged; average business: crystals or powder, bulk quantities, from 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PARAFORMALDEHYDE.—Fair business, quoted keenly for bulk business: 100 per cent. powder, quantities, in kegs, 1s.; smaller parcels, from 1s. 1½d. to 1s. 6d. per lb., as to quantity.

PARALDEHYDE.—Bulk quantities, in carboys, quoted from about 1s. 2d., and in winchesters from 1s. 5d. to 1s. 6d. per lb.

PHENAZONE.—Spot market dull and irregular on quotation: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, up to 7s. 6d. per lb., with powder 2¼d. per lb. extra.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: **AMIDOL**.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. **CHLORQUINOL**.—1-lb. bottles, 21s. per lb. **GLYCIN**.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE**.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. **METOL**.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free. **ALUM (PHOTOGRAPHIC QUALITY)**.—1 cwt., 21s. per cwt.; 28 lb. for 6s. **GOLD CHLORIDE**.—15-grain tubes, 45s. per doz. **MAGNESIUM POWDER**.—10s. per lb. **PARAMIDOPHENOL HYDROCHLOR.**—8s. 6d. per lb., bottles free. **POTASSIUM FERRICYANIDE**.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. **POTASSIUM METABISULPHITE**.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. **PYROGALLIC ACID, CRYST.**—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. **SODIUM (CARBONATE RECRYST.)**.—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, CUBES, CRYST.**—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM SULPHITE (PURE)**.—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. **SODIUM SULPHIDE, RECRYST.**—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—British makers' scale of prices for home trade is as follows:—Not less than one cwt., 10½d.; not less than three cwt., 10d., in drums; not less than five cwt., 9½d., in 1-cwt. drums and 10d. in 5-cwt. drums, net, delivered buyer's station, drums free. Technical or commercial quality, one cwt., 96s.; three cwt., 91s. 6d.; five cwt., 89s.; one ton, 86s. 6d. per cwt., in 1-cwt. drums.

PHENOLPHALEIN.—The scale of prices is unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

POTASSIUM SULPHOGUAICOLATE.—The spot quotation is in the region of 6s. 2d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue steady at the recent advance: sulphate, 2s. 3d.; bisulphate, 2s. 3d.; ethyl carbonate, 2s. 11d.; salicylate, 2s. 11½d.; hydrochloride, 2s. 10d.; dihydrochloride, 3s. 1½d.; hydrobromide, 2s. 10d.; dihydrobromide, 3s. 1½d.; valerianate, 3s. 9½d.; phosphate, 3s. 5½d.; hydroposphate, 4s. 1½d.; alkaloid, 3s. 1½d. per oz., 100-oz. tins free, carriage paid on bulk quantities.

RESORCIN.—Makers' prices are steady: 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller parcels, up to 6s. 6d. per lb.

ROCHELLE SALTS.—Makers' prices are steady:—

	Pulv. Sod. Pot Tart. B.P.	Pulv. Seidlitz	Double Seidlitz
	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d.
Under 1 cwt.	85 0	68 0	76 5
Under 5 cwt.	82 6	66 3	73 3
Over 5 cwt. in one delivery ...	80 0	64 3	71 0

Soda, pot. tart. cryst. at 2s. 6d. per cwt. extra to powder, net, 14 days. Special prices for quantities. Contracts accepted subject to a rise and fall clause.

SACCHARIN.—Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' prices are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Keen spot quotations: 2s. 2d. to 2s. 4½d. per lb., as to quantity.

SODIUM BENZOATE (B.P.).—Market steady, average business: five cwt., 1s. 3½d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Not much business reported: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

SANTONIN.—The demand is no more than routine and mostly for small quantities: bulk quantities, £10 5s., and small parcels, up to about £12 10s. per kilogram.

SODIUM SALICYLATE (B.P.).—Fair demand at unchanged prices: Prices for home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11½d.; 1 lb., 2s. 4d. per lb.

SULPHONAL.—Dealers' quotations competitive: crystals or powder, two cwt., 15s. 5½d.; one cwt., 15s. 10½d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Steady: British makers quote at 1s. 1½d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb. delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb.; tins extra, ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices for home trade are steady: ex clove oil or guaiacol, five cwt., 11s.; one cwt., 11s. 1½d.; 56 lb., 11s. 3d.; smaller quantities, 11s. 6d. per lb.

Crude Drugs, etc.

ACONITE ROOT.—A supply of Japanese is now afloat and is offered at 75s. per cwt., landed.

AGAR.—Average spot demand with values maintained: spot, Kobe, No. 1, 3s. 3d.; No. 2, 3s.; Yokohama, No. 1, 3s. per lb.; shipment, November-December, Kobe, No. 1, 2s. 10d.; No. 2, 2s. 7½d. New crop, January-February, Kobe, No. 1, 2s. 10½d. February-March, Kobe, No. 2, 2s. 7½d. per lb., c.i.f.

ALKANET ROOT.—The spot value is maintained at the advance recorded last week. Small parcels, 50s. per cwt., ex store.

ALOES.—Steady call for Curaçao on spot and a parcel has recently been landed. Cape, spot, in boxes, 55s.; shipment, 47s. 6d. per cwt., c.i.f. Curaçao, spot, 165s. for coarse up to 170s. to 180s. for livery; shipment, February-March only offered at 155s. per cwt., c.i.f.

ANTIMONY.—Market continues at the advances for Chinese metal: Chinese, crude, spot, £38 10s.; shipment, November-December, £32 10s., c.i.f. English regulus, £71 per ton, ex store.

ARECA NUTS.—Available on spot at 22s. 6d. per cwt.

Shipments from Ceylon during January-July, 1938, totalled 43,900 cwt., valued at Rupees 540,000, compared with 30,900 cwt., valued at Rupees 377,000 in the corresponding period of 1937.

BALSAMS.—Not much business moving. *Tolu*, 1s. 9d.; *Canada*, 2s. 9d.; *Copaiba*, 1s. 8d.; *Peru*, 4s. 1½d. per lb., spot.

BELLADONNA.—Occasional spot inquiry: leaves, 55s.; root, high test, 55s. per cwt., spot.

BENZOIN.—Not much demand, values fairly steady: Sumatra, 70s. to 87s. 6d. per cwt., as to quality. Siam, medium almonds, £26 10s.; bean and pea, £21 per cwt., ex store.

BUCHU.—Sales of odd bales only reported at steady figures: spot, rounds, 1s. 5d. to 1s. 7d., as to quality and quantity, in bales. Ovals, 1s. 3d. to 1s. 4d. per lb., ex store.

CAMPHOR.—A routine spot business with values steady: Japanese monopoly BB brand, £7 10s. per 100 lb.; Japanese, natural, spot, tablets, 2s. 6d.; powder, 2s. 3d.; slabs, 2s. 2½d. per lb., ex store; shipment: tablets, 2s. 2d.; powder, 1s. 10½d.; slabs, 1s. 10½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz. and ¼ oz., 3s. 6d.

CASCARA SAGRADA.—Quite a fair business reported on spot at steady prices. Spot, 1938 bark, 52s. 6d.; 1937 bark, 57s. 6d.; 1936 bark, up to 65s. per cwt., ex store, duty paid. No shipment offers from the source but New York is reported to have quoted Mediterranean port at 47s. 6d. per cwt., c.i.f., for 1938 peel.

CHAMOMILES.—First quality new season's flowers are quoted on spot at about 160s. per cwt., ex store.

CLOVES.—A better demand is reported forward with the market steady: Zanzibar, spot, 8½d.; shipment, November-December, 8½d.

per lb., c.i.f. Madagascar, in bond, 7½d.; shipment, November-December, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended October 29 were nil, and the deliveries nil, leaving a stock of 736. From January 1 to date the landings of Zanzibar have been 2,317, and the deliveries 2,977. Landings of Madagascar for the week ended October 29 were nil, and the deliveries 97, leaving a stock of 954. From January 1 to date the landings of Madagascar have been 1,586 and the deliveries 2,730 packages.

COCONUT (DESICCATED).—Steadier with a moderate business reported: spot, fine, 16s. 3d.; medium, 16s. 3d. per cwt.; shipment, halves, November-December, 15s. 3d.; January-March, 15s. 6d. per cwt., c.i.f.

Shipments from Ceylon during January-July, 1938, totalled 327,000 cwt., valued at Rupees 2,467,000, compared with 314,000 cwt., valued at Rupees 4,051,000, exported during the corresponding period of 1937.

COD-LIVER OIL.—Bergen reports a limited shipment business has been transacted with the price keeping fairly steady: finest Lofoten steam-refined non-freezing medicinal oil, 89s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

COLCHICUM.—Dealers' prices for root are about 55s. per cwt., and, for seed, 1s. 1d. per lb.

COLOCYNTH PULP.—Good spot supplies are moving slowly: Spot, from 1s. to 1s. 2d. per lb., as to quality and quantity.

DAMIANA LEAVES.—Quiet and quoted keenly for bulk business: new leaves at about 8½d. to 9d. per lb., ex store.

ERGOT.—Not much business of importance here: Portuguese, spot, 4s. 3d. to 4s. 4½d., as to seller; shipment, about 4s. 1½d., c.i.f. Polish, spot, 3s. 9d. to 3s. 10½d. per lb; shipment, nominal. No Russian or Spanish available.

GENTIAN.—French root is steady from 33s. to 35s. per cwt., spot, as to seller; shipment, new crop, 28s. 6d. per cwt. Other Continental material is available at around 32s. per cwt.

GINGER.—Business rather quiet, quoted unchanged: West African, spot, 25s.; shipment, for arrival, 21s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 65s. to 75s.; small grinding, in bags, 42s. 6d. to 45s. per cwt. c.i.f.

GRAINS OF PARADISE.—Spot supplies are quoted in the region of 1s. 6d. per lb., as to quantity.

GUM ACACIA.—Spot market has been quiet all the week: Kordofan, cleaned sorts, spot, 38s. 6d.; shipment, new crop, 35s. per cwt., c.i.f.

HENBANE.—Dealers' prices for spot supplies are in the region of 75s. per cwt., ex store.

HENNA.—Market is steady, supplies limited. Egyptian, brown, 32s. 6d.; green leaves, 37s. 6d. per cwt., ex store.

HONEY.—Business routine in character and limited in volume with all descriptions quoted unchanged: Jamaican, dark manufacturing, 30s. up to 40s. for pale set. Canadian, new crop, steady at 45s. 6d. to 48s., as to quality. Californian, white clover, 47s. 6d. per cwt., duty paid. Small lots of all descriptions at higher prices.

HYDRASTIS.—Quiet and unchanged: U.S.P., spot, 13s. 3d. to 13s. 4½d.; shipment, 13s. per lb., c.i.f. Root testing, 3.4 per cent. alkaloids, 14s. 3d. per lb., ex store.

IPÊCACUANHA.—There has been a good export inquiry for Minas and Bahia varieties, but supplies are lacking here. Otherwise the market is quiet and steady: Matto Grosso, B.P., spot, 7s. 3d. to 7s. 4½d.; shipment, 6s. 10½d. per lb., c.i.f.

LOBELIA HERB.—Rather more business: quoted 6½d. to 7d. per lb. for good quantities.

LYCOPodium.—Quoted at 4s. 6d. per lb.

MANNA.—Dealers' prices are steady: finest selected flake, in 1-lb. tins, 3s. 6d. per lb., ex store.

MENTHOL.—The Japanese product continues steady and business is satisfactory: K/S brands, 13s. 9d. to 14s., as to seller and quantity. Japanese shippers quote November-December, 11s. 7½d., c.i.f., with market sellers of this position at 11s. 4½d., c.i.f. Chinese, spot, 13s. 3d. per lb., ex store.

MERCURY.—First hands quotation continues steady at £14 10s. per bottle, ex store.

OPUM.—Quieter demand, but values are fully steady: Turkish, none available in London; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid; Bulgarian, original cases of 170 lb., 12½ per cent., 1s. 2d. per unit.

PEPPER.—Market continues steady, with forward prices fractionally dearer; business rather quiet: Lampong, in bond, 2½d.; shipment, November-December, 2½d.; January-March, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, November-December, 3s. 6d., c.i.f. Aleppy, spot, 4d.; shipment, November-December, 34s., c.i.f. White Muntok, in bond, 3½d.; shipment, November-December, 3½d.; January-March, 3½d., c.i.f. London Terminal Market: Black, November, 2½d.; December, 2½d.; March, 2½d.; May, 3d. White, November, 3½d.; December, 3½d.; March, 3½d.; May, 4d. per lb.

PIMENTO.—Quiet and slightly easier forward: spot, 8d. per lb.; shipment, November-December, 62s. 6d. per cwt., c.i.f.

QUASSIA CHIPS.—A quiet demand, with spot quotations round about 20s. per cwt., as to quantity.

RHUBARB.—Steady demand, mostly for rough round variety. Spot prices are firm, with holders not pressing for business: spot, rough round, 2s. to 2s. 2d. per lb.; Shensi, 4s. 9d. to 5s. per lb., ex store. Shanghai reports no stocks left.

RUBBER.—Rather more business reported, with the market closing steady: smoked ribbed sheet, spot, 8½d.; November, 8½d.; December, 8½d.; January-March, 8½d.; April-June, 8½d.; July-September, 8½d.

SAFFRON.—Dealers' prices for finest Valencia are firm at 90s. to 92s. 6d. per lb., with inferior qualities at cheaper prices.

SEEDS.—**ANISE.**—Spot, duty paid, Bulgarian, 44s.; Russian, 45s. **CANARY.**—Market quiet; all prices quoted are spot, duty paid: Mazagan, 10s. 6d.; Morocco, 16s.; Turkish, 15s. 6d.; Plate, 13s. 6d.; Spanish, 20s. to 35s. **CARAWAY.**—Dutch, spot, 32s. 6d., duty paid; 28s. 6d. quoted f.o.b. Holland. **CORIANDER.**—Morocco, spot, is offered at 15s. 6d., duty paid, and 14s., in bond; no business is reported at these prices. For shipment, 12s. 9d., c.i.f. quoted. **CUMIN.**—Spot, duty free, Malta, 49s.; Cyprus, 37s. 6d.; duty paid, Morocco, 47s. 6d.; Spanish, 40s. **FENUGREEK.**—Morocco, spot, is 13s. 6d., duty paid. **FENNEL.**—Spot, Indian, 22s. 6d. and 27s. 6d. **DILL.**—Spot, Indian, 11 per cent., 18s. 6d. **MUSTARD.**—English, 18s. to 20s., according to quality.

SENEGA.—This market is definitely firmer, and most of the available spot stocks have been bought up: spot, 2s. 4½d. per lb., and may advance further; shipment, firm, 2s. 2½d., c.i.f.

SENNA.—A fair general trade on spot, with values for all descriptions reported unchanged. New crop Tinnevely leaves offered at: No. 1, 6½d.; No. 2, 4d.; No. 3, 2½d.; No. 4, 2½d. per lb. Tinnevely pods: Best pale greenish hand-picked, 5d. to 6d.; darker qualities, from 3½d. to 4d. per lb. Manufacturing pods extremely scarce; on account of low prices ruling importers seem uninterested in bringing over further shipments. Alexandrian hand-picked pods: No really choice selected pods available. No. 1, 4s.; No. 2, 2s. 9d.; No. 3, 2s.; old crop pods offered at 1s. to 1s. 9d. per lb.

The following final report on the senna crop for 1937-38, in the Madras Presidency, is published in "The Indian Trade Journal," dated October 13, 1938: "Since the last report published in July, good rains were recorded in the Satur circle and as a consequence arrivals increased, but demand from Europe continued to be poor. Good quality is becoming scarce, the arrivals containing an admixture of black leaves. Prices ranged from Rs. 12 to Rs. 18 per candy according to quality. Good rains were also recorded in the Tinnevely area. There was a good demand from America and prices went up temporarily from Rs. 40 to Rs. 65, but again declined to the previous level, as dealers covered their requirements. The present arrivals are smaller in size and not attractive as season leaves. Unsold stocks with dealers and ryots are said to be about 500 candies both at Tuticorin and up-country, and, unless demand improves within the next few days ryots will not pick the remaining crop in the fields. Export figures for the period from March 1, 1938, to August 31 1938, are given below:—

	March to August, 1938	March to August, 1937
	Cwt.	Cwt.
U.K. and Continent...	17,117	23,432
America ...	5,574	9,620
China ...	325	788
Japan ...	871	1,168
Australia ...	229	268
Indian ports ...	4,211	4,017
Total ...	28,327	39,293

SHELLAC.—Quiet. Spot, standard TN orange, 40s. to 43s.; fine orange, spot, 52s. 6d. to 80s.; pure button, 47s. 6d. per cwt. For delivery, TN, December, 40s.; March, 41s. 9d. For arrival, TN, November-December, 38s. 6d. per cwt., c.i.f.

SLIPPERY ELM BARK.—A quiet spot business: 5-lb. wired bundles, selected quality, 1s. 6d. per lb., ex store.

SQUILL.—Some good white on spot is available at about 26s. per cwt., and some yellowish at cheaper figures.

STRAMONIUM.—Not much inquiry, with spot supplies quoted at about 40s. per cwt., ex store.

TONKA BEANS.—Business quiet: fair frosted Para beans, about 3s. per lb., ex store.

TRAGACANTH.—Arrivals have been small, while the demand continues fair. Prices for all grades of gum are unchanged: finest selected white ribbon, £65; No. 1, white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £42 10s.; amber leaf, £22; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—Market is firm and appears to be in short supply: Madras finger, spot, 30s. 6d.; shipment, if available, 28s. 6d. per cwt., c.i.f.

VALERIAN ROOT.—Dealers are quoting spot supplies at about 35s. per cwt., as to quantity.

WAXES.—**BEEF.**—Spot and forward quotations are steady; shippers are not pressing for business: good quality waxes, in bond, 92s. 6d.; duty paid, 100s. per cwt. **Benguella**, 86s. 6d., c.i.f.; **Dar-es-Salaam**, 97s. 6d., c.i.f., and **Conakry**, 87s. per cwt., c.i.f. **CARNAUBA.**—Market continues steady, business rather quiet: fatty grey, spot, 152s. 6d.; float, 147s. 6d.; shipment, November-December, 140s., c.i.f. Chalky grey, spot, 145s.; shipment, November-December, 135s., c.i.f. **Primeira**, spot, good quality, 192s. 6d.; shipment, November-December, 172s. 6d. **Mediana**, spot, 185s.; shipment, 172s. 6d. per cwt., c.i.f.

Essential and Expressed Oils, etc.

A MODERATE business in these products continues with values keeping steady. China oils are all firm, tending dearer. Japanese peppermint meets with sustained demand and is firm forward. Sicilian and Californian lemon is very short on spot.

ALMOND.—Limited business with keen quotations for bulk quantities: English-made, cwt. lots, 2s. 6d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 6d.; smaller parcels, up to 3s. per lb. French bitter, 6s. to 6s. 1½d. per lb.

ANISE (STAR).—The spot market continues very firm with holders of spot stocks not pressing for business. At the same time the demand, which had been quite brisk, has slackened off somewhat: spot, leads, nominal; tins, 3s. 6d.; drums, 3s. 4d. per lb., ex store. No shipment offers from Hong Kong.

AVOCADO PEAR.—Spot quotations are steady at 46s. to 52s. 6d. per gallon, as to quantity.

BAY.—Fair amount of small business on spot: cases, 4s. 3d. to 5s. 3d. per lb., as to quality.

BERGAMOT.—Due to the depressed rate of sterling on the lire the Consortium price now works out at 14s. 10½d. to 15s. per lb., c.i.f. There is little business moving as is usual at this time of the year, pending news of new crop oil. Spot supplies of good oil are valued at 15s. 3d. per lb., upwards, ex store.

BOIS DE ROSE.—Limited supplies of Brazilian oil, in drums, are quoted steadily at 5s. 9d., with smaller quantities, re-packed, up to 6s. 3d. per lb., ex store.

CASSIA.—Firm conditions continue in this market. Moderate supplies are available here and some oil is reported to be afloat for London. Spot, in leads, from 3s. 3d. to 3s. 4d. per lb., ex store. The demand has been quieter this week. No shipment offers from the source.

CASTOR.—B.P. quality, 41s. 6d. per cwt., in barrels, ex store, London. Hull, 2s. per cwt., extra. Small quantities, up to 2s. 6d. per cwt., dearer. Cases, 4s. per cwt., extra.

CEDARWOOD.—Demand for this oil is quiet, quoted unchanged: African, in drums, 11½d.; smaller packages, up to 1s. 4d. per lb. American, in drums, 1s.; smaller packages, up to 1s. 4d. per lb.

CINNAMON LEAF.—The Ceylon oil, re-packed in moderate quantities, is quoted on spot at about 2s. 6d. to 2s. 7½d. per lb., as to quantity. A better shipment market is reported with more business transacted.

Shipments from Ceylon during January–July, 1938, totalled 1,630,000 oz., valued at Rupees 260,000, compared with 1,565,000 oz., valued at Rupees 242,000 exported during the corresponding period of 1937.

CITRONELLA.—Ceylon oil is rather easier forward. Java oil steady but quiet: Ceylon, spot, drums, from 1s. 6½d.; smaller parcels, up to 1s. 11d.; shipment, drums, from 1s. 4d. per lb., c.i.f. Java, spot, drums, 1s. 9½d. to 1s. 10d.; smaller parcels, up to 2s. 3d.; shipment, drums, around 1s. 4½d. per lb., c.i.f.

Shipments from Ceylon during January–July, 1938, totalled 969,000 lb., valued at Rupees 697,000, compared with 899,000 lb., valued at Rupees 795,000 exported during the corresponding period of 1937.

CLOVE.—Spot business in Madagascar is limited to a few small orders: Madagascar, spot, drums, 2s. 9d. per lb.; smaller parcels, up to 3s. 4d. English distilled, 4s. 10d. to 5s. per lb., ex store.

COCONUT.—English deodorised, in barrels, is quoted at £25 15s. per ton, ex store.

EUCALYPTUS.—Not much business about, shipment continues steady: Australian, 70 to 75 per cent., tins, 1s. 2d. to 1s. 3½d.; drums, 1s. 2½d. to 1s. 2½d.; 80 to 85 per cent., drums, 1s. 6d. per lb., ex store, with higher prices for small lots; shipment, 70 to 75 per cent., tins, 1s. 1½d.; drums, 1s. 1d.; 80 to 85 per cent., 1s. 4½d. per lb., c.i.f.

GERANIUM.—The spot market for genuine oils is steady, business fair: Bourbon, spot, 10s. 7½d. to 11s.; shipment, 10s. 6d. per lb., c.i.f. Algerian, spot, 12s. to 12s. 6d.; shipment, 11s. 3d. per lb., c.i.f.

HO (SHIU).—Although inquiry on spot has been quieter holders of the comparatively small stocks are firm and not pressing for business: spot, "improved" quality, 4s. 4½d. to 4s. 6d.; "extra" quality, if available, about 5s. per lb., ex store. No shipment offers.

JUNIPER BERRY.—Market has been dull and is rather easy as quoted at about 3s. 3d. to 3s. 10½d. per lb., as to quality and quantity.

LAVENDER.—The shipment quotation for genuine 38 to 40 per cent. oil of the finest quality works out at 13s. 9d. per lb., landed, with other qualities at cheaper prices. Lavandin, standard quality, about 5s. 3d. per lb., ex store.

LEMON.—Most of the limited volume of business transacted on spot has been in blended oils. Actually it seems doubtful if there is much genuine Sicilian oil of first quality available here, the usual importers stating they have no stocks. The price for branded oils is nominal at 12s. 3d. per lb. Shipment quotations remain steady at 11s. 4½d. to 11s. 7½d., c.i.f., with little doing, pending news of the coming crop. The source reports that the position there is firm. Californian distilled, scarce on spot; nominal at 1 dollar 54 cents per lb.

LEMONGRASS.—The shipment market continues neglected: spot, 1s. 7½d. to 2s. per lb., as to quantity and packing; shipment, 1s. 4½d. per lb., c.i.f.

Exports from Tanganyika Territory during 1937 totalled ten tons, seven tons being shipped to the United Kingdom and three tons to the United States of America.

LIME.—West Indian, distilled, continues very irregular, with little evidence of much business moving. The spot value is nominal at 17s. 6d. per lb., and this figure would possibly be shaded for bulk quantities.

LINSEED.—Business rather quiet: small quantities of raw oil on spot, 24s. 6d. per cwt., naked. Boiled oil, spot, 27s. 6d. per cwt.

OLIVE.—Rather easier, with business quiet: B.P., 1 per cent., 5s. 9d. per gallon, in drums. Edible quality, ten 1-gallon tins, in cases, 75s.; twenty ½-gallon tins, in cases, 77s. 6d. per case; drums, 6s. per gallon, ex store.

ORANGE.—The spot demand for French Guinea oil remains dull, with new crop quoted for shipment: spot oil, in drums, from 2s. 7½d. for single drums; re-packed, in tins, about 3s. per lb., ex store; shipment, new crop, December–January, 2s. 4½d. per lb., c.i.f. Californian, small drums, 59 cents; two or more cases, 61 cents per lb., ex store.

PALMAROSA.—Some business, with the market steady at 7s. 7½d. per lb.; shipment, 6s. 9d., c.i.f. A limited supply of Java oil, spot, about 4s. 9d. per lb.

PATCHOULI.—With three sources of this oil competing for business, prices have tended to weaken for Singapore oil, and the market is irregular, with not very much doing: Singapore, spot, about 11s. 6d., with bulk lots at a lower rate. Seychelles spot, about 9s. 9d. to 10s. Java, spot, around, 9s. 9d. per lb., ex store.

PEPPERMINT.—The Japanese product has met with a fair demand, and the market continues fully steady, with shipment firm and only distant position quoted: spot, 4s. 9d. to 5s., as to brand and seller; for near afloat, 4s. 6½d. reported paid and 4s. 7½d., c.i.f., now quoted. On the market there are buyers of October–December at 4s. 4d., with sellers at 4s. 5d., c.i.f. Japanese shippers report nothing available for November–December shipment, and quote only January–February at 4s. 5d., c.i.f. American natural oil continues firm at 2 dollars 30 cents to 2 dollars 35 cents per lb., c.i.f.

PETITGRAIN.—The shipment market is a shade dearer: spot, in cases, 3s. 8d. to 3s. 9d. per lb., shipment, 3s. 2½d. per lb., c.i.f. French, to come forward, quoted from source at 950 francs per kilo.

SPERMANT.—Rather more inquiry; forward market continues to be reported firm; spot steady: U.S.P. oil, spot, 9s. 2d. to 9s. 3d.; shipment, 8s. 6d. per lb., c.i.f.

SPIKE.—Spot holders of genuine Spanish oil are quoting from 5s. 3d. to 5s. 6d. per lb., as to quantity. Blended oils cheaper. Importers state they find it difficult to obtain supplies of fine quality oil from the source.

TURPENTINE.—Steady, but in quiet demand: London, 33s. 3d.; Hull, 35s.; Liverpool, 35s. 3d. per barrel, ex store. London stocks on October 22 totalled 27,149 barrels.

VEITIVERT.—Spot bulk supplies of this season's oil are quoted in the region of 12s. 6d. to 13s. per lb., ex store; small parcels up to 16s. per lb.

WORMSEED.—Dull. U.S.P. oil, spot, 11s. to 11s. 3d.; shipment, 10s. 8d. per lb., c.i.f.

Trade-Mark Applications

(From "The Trade Marks Journal," October 26, 1938)

SCHEDULE III

- "HEB"; for agricultural and veterinary chemicals, etc., excluding soap (2). By J. Halden & Co., Ltd., Rowsley Grove, Reddish, Lancs. 587,085. (Associated.)
- "CAULINAX"; for plant protection against insects (2). By Keddell & Bommen, Fred. Olsengate 1, Oslo, Norway. 584,493.
- "PHANTOMAX"; for disinfectants and insecticides (2). By Andre (Components), Ltd., 38 Felsham Road, London, S.W.15. 586,998.
- "KNIGHT'S CHEMICALS AND OILS" with device of knight (word "Knight's" disclaimed); for medicated preparations (3). By Knight's Oil & Chemical Co., Ltd., 77 Lancaster Street, Birmingham, 4. 583,394.
- "ASTHMASAN"; for chest medicines (3). By Francis Riddell, Ltd., Axtell House, Warwick Street, London, W.1. B584,186. (Associated.)
- "PERCORTANE"; for all goods (3). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle, Switzerland. 586,924.
- "DYCHOLIUM"; for medicinal chemicals (3). By Chimie & Atomistique Société Anonyme, 94 rue de Sèvres, Paris, France. 587,064.
- "WESTEX"; for photographic apparatus (8). By Westminster Photographic Exchange, Ltd., 81 Strand, London, W.C.2. 586,845.
- "PERMANTO" with crown device; for all goods, excluding perfumes (48). By Permanto Products, Ltd., 289 Regent Street, London, W.1. 586,516.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Coddington Type Lens

SIR,—By describing a certain type of pocket-lens as of "the Coddington type," I seem to have injured the *amour propre* of at least one optical manufacturer, if not of the whole trade. I apologise, but still insist on the classification! The old-fashioned real Coddington lens was made of one piece of glass, more or less hour-glass shaped, as if the centre of a large lens had been cut out and a waist put on it. The modern pocket-lens of the Coddington type is made up of two or three lenses with or without a perforated metal diaphragm in the centre of the system. In the doublet type this gives very nearly the same arrangement of surfaces as in the real Coddington. These lenses are listed under various names such as platyscopic lenses, aplanatic magnifiers, doublets, and so forth, and cost from five to twenty-five or more shillings. Such Coddington-type pocket-lenses are supplied by a number of optical lens manufacturers.—Yours faithfully,

Belfast.

JAMES SMALL.

Pharmaceutical Ethics

SIR,—Replying to "Delegate" (C. & D., October 29, p. 489) in connexion with the resolution on ethics, the President asked whether the meeting wished the matter referred back to the Council without there being any definite statement that it would be brought forward at the next Conference. The representatives who shouted "No" did so clearly to indicate that they wanted something done now which would at least be a beginning to the riddance of some of the undesirable features which are creeping into pharmacy to the detriment of the man who conscientiously lives up to his responsibilities and plays the game. This, sir, is the correct impression. Incidentally, does "Delegate" for one moment think that it is possible in a Conference of this kind to get a resolution accepted unless it has the support of the many? If so, let him try! There is much to be done in pharmacy, and what is the use of destructive criticism even though somewhat sweetened.

Yours, etc.,

ANOTHER DELEGATE (I/II).

Limitation of Pharmacies in New Zealand

SIR,—The letter from Mr. Myers, of Wellington, New Zealand, explaining the facts of the "Limitation of Pharmacies in New Zealand" (C. & D., October 29, p. 489) gives us some interesting information on the steps being taken there to prevent overlapping. The fact that an applicant could not expect to create sufficient business to make a living without encroaching on the living of the chemist already established nearby was apparently a sufficient reason for refusing a licence, and in this respect the licensing system prevents the redundancy of pharmacies so evident here, where no sooner has a chemist worked up sufficient trade to make a living than another one opens close by, and a living for one becomes a mere existence for two. It may be said that the limitation of pharmacies also limits the opportunities for qualified men to become proprietors, but to a large extent the opening of so many unwanted pharmacies has been brought about by the superfluity of pharmacists, and the adoption of limitation might also reduce the number of entrants to an already over-filled profession. Judged by the Coloured Supplement, there are still more applicants than openings for them. It looks as though there is still a fair amount of unemployment amongst pharmacists, and in all probability some of them will endeavour to set up for themselves, at the expense of the existing shops. In a calling such as ours so much training is required before one can become qualified and so much responsibility is incurred afterwards, it does not seem right that the future career of the pharmacist should be largely occupied in a fight with commercial competition, when some system of limitation ought to provide him with a living from his professional work. On the other hand there is the great objection in this country to anything tending to limit anyone's freedom of action, an objection which might be regarded as humorous when one thinks of the numerous Acts and regulations to which we are subjected in our work of running a pharmacy.

Yours faithfully,

MANAGER (29/10).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

E. N. O. (26/10).—TREATMENT OF DAMP WALLS.—The strength of the sodium silicate solution for the treatment of walls varies somewhat, but we think that you would find a satisfactory solution could be made by diluting waterglass—which contains from 40 to 50 per cent. of sodium silicate—with an equal quantity of water. Such a solution is generally used in conjunction with other solutions—for example, calcium chloride, 3 lb. in 1 gallon of water. The latter solution is applied to the wall and followed by the sodium silicate solution, which may need to be applied a second time, if drying does not take place.

R. M. C. (11/10).—REPAIRING SILK STOCKINGS.—For mending ladders in artificial silk stockings a solution of cellulose in amyl acetate is used.

C. F. (26/10).—CHOLESTERIN IN OILY MIXTURE.—A preparation on the lines you suggest should prove perfectly satisfactory. The following is a suggested formula:—

Almond oil	85.0
Anhydrous lanolin	14.5
Cholesterin	0.5

A preservative will be necessary, and parahydroxybenzoic acid or sodium benzoate is suggested.

C. H. M. (8/10).—SUPPLIES WITHHELD.—The reason wholesale houses refuse to supply you with the goods you mention is presumably because they are listed under the Chemists' Friends scheme, the sales thereby being restricted to qualified chemists.

O. H. (28/10).—CHROME WORKERS' DERMATITIS.—The following formulas for ointments are officially recommended:—

I	
Soft paraffin	3 oz.
Lanolin	1 oz.

Melt on a water bath and add:—

Carbolic acid	5 m
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The ointment is rubbed well into the skin, then wiped off with a clean cloth.

II	
Soft paraffin	3 lb.
Paraffin wax	6 oz.
Carbolic acid	1½ oz.

W. J. C. (10/9).—DISPENSING DIFFICULTY.—When zinc oxide is mixed with salicylic acid and a little water, zinc salicylate is formed, which is somewhat photosensitive. It acquires a pinkish colour and the coloration is accelerated in the presence of phenolic bodies, such as cignolin. When the ingredients are mixed with the fatty base, the oxide and acid do not come into intimate contact with one another and the action is delayed or inhibited.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," November 3, 1888

Poisons Regulations

The chairman [of the Liverpool Chemists' Association], in opening the proceedings, said all chemists in that city, and all other cities throughout England, he presumed, had some regulations of their own for the safe keeping of poisons, but it was felt by certain representative gentlemen—among them Dr. Symes and other members of the Pharmaceutical Society of London—that it would be well if the Council of that Society were to submit to the Privy Council regulations for keeping and dispensing poisons, which regulations should in that case be adopted by the whole of the chemists. The point of difference, he apprehended, was that many chemists thought they could regulate this matter after their old-fashioned way, and they did not like what they called being dictated to by the Pharmaceutical Society. This was an open question, and he had no doubt they should have the views of gentlemen on both sides. He might say that the fact that carbolic acid had recently caused a number of deaths in Liverpool should make it the more necessary that they should pay attention to the matter.

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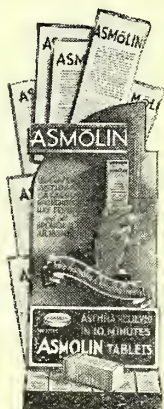
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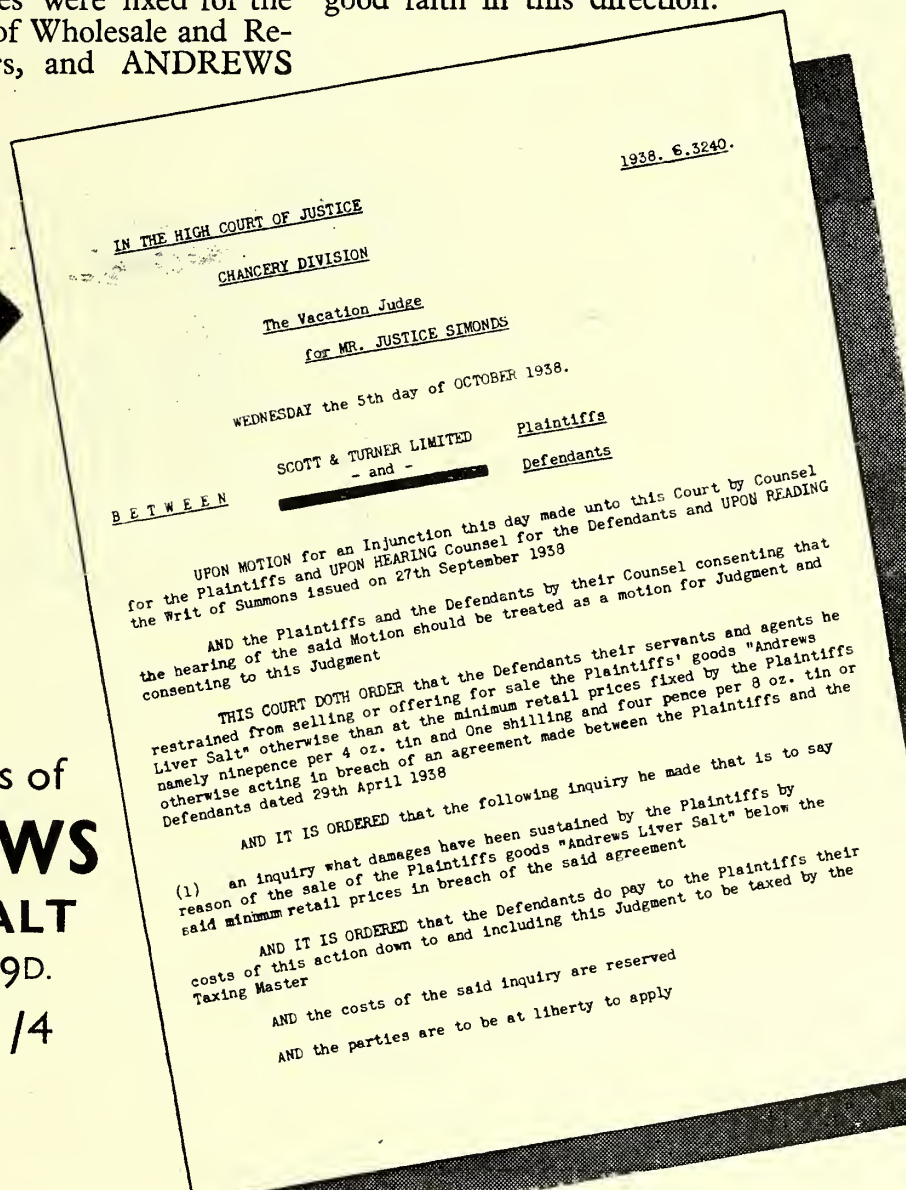
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

NOVEMBER 5,
1938

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5.—**SOUTH EAST LONDON**.—General Retail Business with Kodak and Rexall agencies; returns, £1,450; net profit over £300; conducted under management; stock and fixtures estimated to be worth £600; price £650 all at.

6.—**SILVERTOWN**.—Cash Drug Store showing a net profit of approximately £300 per annum; proper books kept; rent of shop only 21 per annum; attractive fixtures and good, clean, saleable stock; sacrifice price £400; excellent opportunity for young qualified pharmacist.

7.—**FULHAM**.—General Cash Retail Business; in present hands 10 years; takings approximately £1,000 per annum; net profit £288; tablets practically cover rental; inclusive purchase price asked £600.

8.—**CRICKLEWOOD**.—Main-road Good-class Cash Retail Business; valuable Agencies; turnover about £40 per week under management; rent of shop about £100 per annum; good, clean, saleable stock; attractive fixtures; vendor would probably accept about £100 for the goodwill plus the stock and fixtures at valuation, in all about £1,000; a small sum down will be accepted and the remainder over a period.

9.—**SOUTH KENSINGTON (NEAR)**.—High-class Dispensing business with valuable side line; handsomely fitted pharmacy heavily stocked; turnover about £6,000 per annum; net profit over £1,000 per annum; full details upon receipt of banker's reference.

10.—**STREATHAM**.—Main-road Cash Retail Business for disposal at sacrifice price; no sum required for the goodwill; takings average over £60 per week at good prices; stock and fixtures worth a figure in the neighbourhood of £1,000; accountant's figures available; full particulars upon application.

11.—**HACKNEY**.—General Retail Business, main road; takings last year £2,034; gross profit £743; rent £120; inclusive purchase price required £450; stock worth nearly £300; vendor leaving pharmacy.

12.—**HARROW**.—Mrs. Breingan is desirous of disposing of her late husband's business forthwith; turnover average over £40 per week under management; Arden Agency; stock and fixtures worth about £1,000; no reasonable offer refused; two flats over; price for goodwill £100.

13.—**FOREST HILL (DEATH VACANCY)**.—Cash Retail Business for immediate disposal; turnover over £1,300 per annum; scope; leasehold premises also for sale; ground rent £10 per annum; lease 36 years unexpired; stock and fixtures worth about £375; inclusive purchase price of business and property £950, or offer; a lease might be granted; offers invited.

14.—**HASTINGS**.—General Retail Business; increasing turnover; net profit exceeds £400 per annum; nice living accommodation; heavy stock; minimum purchase price £1,000; increasing turnover.

15.—**SOUTH WALES**.—Old-established Business for sale by widow; in present hands 19 years; takings last year £1,300 under management; living accommodation; rent £40; inclusive purchase price required £350.

16.—**LIVERPOOL (DEATH VACANCY)**.—High-class Dispensing Business; in late proprietor's hands 32 years; turnover over £1,800 per annum; net profit £430; stock £600; nice living accommodation; garage; new lease at low rental; inclusive purchase price asked £1,200.

17.—**GRIMSBY (NEAR)**.—Good-class Business for sale; old-established; takings approximately £2,000; audited accounts; fixtures worth £250, stock £900 (this can be reduced to suit purchaser); low rental; price asked for lease and goodwill £250.

18.—**CHELMSFORD**.—General Retail Business in excellent position; takings this year £2,300; gross profit nearly 40 per cent.; rent £150; inclusive purchase price required £1,650; dissolution of partnership; net profit about £600 per annum to managing proprietor; present takings exceed £57 per week.

19.—**BOURNEMOUTH**.—Light Retail Business; net profit £317; living accommodation; purchase price £850.

20.—**BRISTOL**.—Middle-class General Retail Business; splendid site; takings approaching £2,000 per annum; multiple position; inclusive purchase price asked about £1,200; very valuable lease; rent only £110 per annum.

21.—**BLACKPOOL (RETIREMENT VACANCY)**.—Middle-class Business with sub-post office attached; net profit nearly £400 per annum; low rent; inclusive purchase price required £700, which is little more than the value of the stock and fixtures.

22.—**SOMERSET**.—Village Business for sale; takings last year £1,025; net profit £300; price required for the business about £575; no near opposition; spacious living accommodation; property can be purchased or leased; price for property £675, or rent £52 per annum.

23.—**LIVERPOOL**.—Mixed Business with good Panel; established many years; returns exceed £1,500 under management; single-fronted lock-up shop; rent £50; held on lease; price £750.

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Representative in Ireland: Mr. R. B. Hume, 20 Emor Street, S.C. Road, Dublin

(C1) **NORTHWOOD (NEAR).**—Modern Pharmacy, occupying prominent position in main shopping street; turnover approximately £1,900 per annum, and steadily increasing; gross profit about 40 per cent.; good flat above; stock and fixtures estimated at £900; price all-at £1,200; excellent scope for increase.

(C2) **KENT (NEAR TO LONDON).**—Branch business with increasing turnover, now upwards of £1,500 per annum; good living accommodation; excellent scope; price £870 or near offer, including stock and fixtures estimated at £570.

(C3) **HASTINGS.**—Old-established with living accommodation; turnover approximately £1,500 per annum; rent £85; reasonable purchase price (by negotiation).

(C4) **FINCHLEY.**—Up-to-date Pharmacy with modern flat, including garage; turnover under management approximately £30 per week, with scope for early increase; stock and fixtures estimated at approximately £800, and for a quick sale this figure will be accepted, without any payment for goodwill; early enquiry advised.

(C5) **SUFFOLK COAST.**—Well-established business situated in improving district; turnover upwards of £1,300 per annum, and steadily increasing; high percentage profit; excellent living accommodation with good garden, etc.; price all-at £850, including stock and fixtures estimated at £650, but any reasonable offer will be considered as a quick sale is desired.

(C6) **BRIXTON (NEAR).**—Main-road business, old-established; turnover approximately £1,450 per annum; rent £110, including eight-roomed house; price £950, or reasonably near offer.

(C7) **BEDFORDSHIRE TOWN.**—Branch business (lock-up); turnover for 1937-38, £1,100; net profit £250; no near opposition; populous area to draw upon; reasonable purchase price. Trial if desired.

(C8) **WEST HARTLEPOOL.**—Branch business, old-established; turnover approximately £1,100 per annum, with scope for substantial increase under personal proprietorship; rent £65, including living accommodation; stock about £150 and an all-in figure of £250 will be accepted for a quick sale.

(C9) **BIRMINGHAM.**—Branch business in working-class

district; turnover upwards of £1,100 per annum; rent and rates £48; small house at present sub-let; price all-at £500 or offer.

(C10) **LONDON, N.1.**—Two businesses situated very near to each other, and at present being conducted as branches; combined turnover approximately £2,330 per annum; gross profit £1,150; net £400; good N.H.I., which totals to about 1,500 scripts per month; reasonable overheads; price all-at (for both shops), £1,000; the businesses can be acquired separately if desired; full particulars upon application.

(C11) **LONDON, S.W.17.**—Main-road business in working-class district; good N.H.I.; turnover now at the rate of £30-£33 per week, which figures can easily be increased to £40, or over, in a very short space of time; rent £78, including living accommodation; price all-at £700, part of which can remain if necessary.

(C12) **EDGWARE (NEAR).**—Good profit-earning business occupying prominent position; turnover upwards of £2,600 per annum; net profit £600-£650; living accommodation; growing district; price all-at £1,500 or reasonably near offer.

(C13) **HAMPSTEAD (NEAR).**—High-class business, well suited to a lady chemist; turnover averaging slightly below £1,000 per annum with a high percentage of profit; reasonable rental; long lease; good scope for increase as the premises occupy a main-road position; price all-at £450, or near offer.

(C14) **RAYNES PARK (NEAR).**—Attractive main-road business occupying prominent position in middle-class residential suburb, near to leading multiples; turnover for 1936-37, £2,847; gross profit £1,080; net to owner-proprietor, £600-£700; rent £220, including up-to-date flat; lease 17 years; price £1,300, plus stock at valuation (estimated at £480).

(C15) **MIDDLESEX.**—Business established three years; returns now £1,712, and increasing at the rate of £15 per month; situated in rapidly growing district; modern premises with good living accommodation; for a quick sale £1,000 all-at will be accepted.

(C16) **WEALDSTONE.**—Double-fronted Pharmacy with modern flat above; returns £1,550, and steadily increasing; long lease; good scope; price all-at £500.

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2.—**SOUTH COAST.**—Good middle-class Business, in main-road position; returns £1,750, net profit £400; modern premises; well stocked; price about £1,100.

3.—**SURREY (SUBURB).**—Middle-class Business; easily run; takings about £1,000, plenty of scope; low rent, long lease; corner shop; well stocked; price £400.

4.—**ESSEX (15 miles out).**—Genuine light Retail, run as branch; returns £1,600, showing steady increase; modern-fitted Pharmacy, with living accommodation; good stock; price £675.

5.—**NORTH WALES.**—Good-class Family Retail, with Optics; returns £1,385, net profit £395; best position; scope for increase; modern flat over. Price £950 or offer.

6.—**EDGWARE (NEAR).**—Good-class Family Retail, in prominent position; returns exceed £2,600; books audited; attractive Pharmacy, with flat over; price £1,500 or offer.

7.—**OXFORD STREET (NEAR).**—Well-established Business; in same hands many years; present returns £2,250 under management; gross profits over 45 per cent.; plenty of scope; price £300, plus valuation of stock and fixtures, in all about £1,100.

8.—**STROUD GREEN.**—Well-established Business with good Panel; returns over £1,600, net profit £350-£400; low rent; good house; price £750 or offer.

9.—**WEMBLEY (NEAR).**—Good middle-class Business in growing district; returns £1,500, plus £160 from Post Office; no near opposition; large Pharmacy, well stocked; price £1,000 or offer.

10.—**TOLLINGTON PARK (NEAR).**—Old-established Drug Store in densely-populated district; returns about £800 under female; plenty of scope in qualified hands; price for early sale only £275, or first reasonable offer.

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 scope for N.H.I.; suit young Qualified, or make good branch;
 hands over 40 years. Turner's Drug Stores, Hipperholme,
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HARROGATE.—Old-established Business, corner site, central
 position; Wines and Spirits off-licence; rent £50; audited
 accounts; great scope for increased turnover; stock cost £350;
 fixtures cost £195; must be sold; any reasonable cash offer con-
 sidered. Apply, P. H. Smith, Chartered Accountant, 8 Princes
 Square, Harrogate.

LONDON, S.W.—Business for Sale in working-class area; takings
 last week: Cash £26 and N.H.I. scripts 160; rent £78;
 all house; stock and fixtures worth £450; first reasonable
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GOOD middle-class business, industrial town, near London;
 large lock-up smart shop, main road position, easily worked;
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 £400 per annum; rent £85, on lease; price £875. 82/35,
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RECENTLY-ESTABLISHED unopposed business in S.E. London
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VERY fine opening in healthy, rapidly expanding district;
 country Drug Stores, taking now £12 weekly, but with fine
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SMALL concern of Manufacturing Chemists and Cosmetic
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JOINING STATION—THE KEY POSITION (22 miles London).
 Extensive Housing Schemes operating over 2,000 new houses,
 new shops just completed, 21 ft. by 45 ft.; excellent living
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COMMODIOUS Shop Premises, situate prominent
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 Basil Seymour, Ltd., Estate Agents, 5 Watling Street, Chatham,
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APPLICATIONS are invited for the appointment of ASSISTANT PHARMACIST (Non-resident, female) at the above Hospital at a commencing salary of £200 per annum, rising by annual increments of £5 to a maximum of £225 per annum.

Applicants must be registered as Pharmaceutical Chemists, or as Chemists and Druggists.

The post is designated as established under the Local Government and Other Officers' Superannuation Act, 1922.

Applications, stating age, qualifications and experience, and accompanied by copies of not more than three recent testimonials, should be sent to the Medical Superintendent, Kingston County Hospital, Wolverton Avenue, Kingston-upon-Thames, so as to reach him not later than November 9, 1938.

DUDLEY AUKLAND,

Clerk of the Council.

County Hall,
Kingston-upon-Thames.
October 26, 1938.

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6s. for 40 words or less; 1d. for every additional word, prepaid. (Box No., 1s. extra.)

COUNTY MENTAL HOSPITAL, MICKLEOVER, DERBY

DISPENSER (male) required, not exceeding 35 years of age; commencing salary £200 per annum; pensionable post. Applications, giving full particulars of qualifications and experience, and enclosing copies of two recent testimonials, should be addressed to the Medical Superintendent.

LONDON.—Young Lady Assistant, with general all-round experience. Please give full particulars, stating age, height, salary required and when at liberty. Marshall's, Chemists, 78 High Street, Kingsland, E.8.

LONDON, S.E.14.—Required, fully Qualified Lady or Gentleman. Please state salary, experience, etc. The post is progressive and is now open. Apply 82/38, Office of this Paper.

LONDON, W.10.—Junior Assistant, Unqualified, either sex, for comfortable herth in good business; must be competent Dispenser, courteous and efficient on Counter. Please give full particulars experience, age, commencing salary expected and when free. Country applicants send photo (returnable) if available. Interview. 82/6, Office of this Paper.

WEST END.—Qualified Assistant wanted; keen Salesman, Window-dresser, and with good all-round experience; permanency. Stamped envelopes and photos not required. Full particulars, age, experience, salary required, etc., to 82/22, Office of this Paper.

APPPLICATIONS are invited for the post of Dispenser (Qualified); salary £200 per annum. Apply Medical Superintendent, Cheshire County Mental Hospital, Parkside, Macclesfield.

ASCOTTS PHARMACIES (1933), LTD., Wembley, require the services of several Lady Assistants, chiefly for Toilet Counter. Telephone Wembley 2113 for appointment.

FOR EAST LONDON.—(1) Qualified Man with E.L. or similar experience. (2) Unqualified Man, preferably married, to live over Shop, for Assistant and some branch duties. Thompson, 23 Park Road, Crutch End, N.8.

GOOD prospects for Young Unqualified Assistant, lady or gentleman; light Retail mixed business. State experience, age salary required, with photo (returned). 82/17, Office of this Paper.

IF you are a Retail Chemist's Assistant with little hope of further prospects, why not become an outside Salesman for one of the manufacturing houses? There are opportunities even beyond this to become Sales Manager. Moreover, you can qualify by spare-time home study, after which you will receive introductions to SALARIED sales vacancies. Send to-day for FREE copy of an interesting 44-page book, "Salesmanship," to Wallace Attwood College, Ltd., Dept. 84, Victoria House, Southampton Row, London, W.C.1.

JUNIOR Assistant (male) for good-class country business; must have passed Preliminary Scientific examination and have had good Dispensing experience. Apply with full particulars of age height, salary required, to Henry Meynell, Tenterden, Kent.

JUNIOR Assistant (male, Unqualified) required; capable Dispenser good Salesman, smart appearance and accustomed to good-class business; progressive position for right man. Apply, giving full details of previous experience and salary required, to John Stanley, Ltd., 196 Station Road, Edgware.

JUNIOR Unqualified Assistant required immediately for West End duty; previous West End experience an advantage, but not essential; must possess display and sales ability; unique opportunity for young man to acquire experience. Write 356/289 Office of this Paper.

PHARMACY

EXPERIENCED Female Assistant required; must have had Pharmaceutical and General Shop experience.

Widows and single persons only considered. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy."

Note.—Canvassing of members of the General Committee or Officials will disqualify.

QUALIFIED Branch Manager required (Lady or Gentleman) for small branch in S.W. London; working-class district; living accommodation; please state age, experience, and salary required, to Peters, 186 Lavender Hill, London, S.W.11.

QUALIFIED Lady Dispenser required immediately for Dispensing, Staff Supervision and slight Counter work (age 25-30). Apply personally, Hancock & Co., Ltd., 144 Fleet Street, London, E.C.4, or by appointment between the hours of 9.30 and 6 any day. Telephone: Central 9858.

QUALIFIED Man to take charge of small neglected Pharmacy approximately December 3; must be good Salesman; preference for one wishing to purchase cheaply after trial; well worth investigating. State salary required to G., 5 Post Office Parade, Parkstone, Dorset.

REQUIRED for Bournemouth, Unqualified Assistant or Manager (age over 30 preferred); knowledge of Surgical Goods, Truss and Belt Fitting an advantage; unimpeachable testimonials required. Write Scottish Chemists Supply Co., Ltd., 28 North Bridge, Edinburgh 1.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

UNQUALIFIED Assistant (Lady preferred but not essential) for Family Dispensing business; South Coast; good Dispensing experience and pleasant Counter manner essential; neat, quick worker. State full particulars, salary and when free, in first letter; photo if possible (returnable). 82/41, Office of this per.

UNQUALIFIED or Junior Assistant (male) required as soon as possible; used to quick N.H.I. and all-round experience; the time allowed for study if required. Apply personally or writing to O. Tobin, Ltd., 49 Harford Street, Mile End, E.1.

UNQUALIFIED Young Lady Assistant required at once. Please state age, experience and salary required to C. A. Pratt Son, 1 West Ham Lane, Stratford, E.15.

WANTED.—A young man (aged 25-35) required temporarily as Salesman; must have a knowledge of Electric Medical apparatus. Apply by letter only, giving full particulars as to age, experience and salary required, to the Staff Manager, A. W. Unage, Ltd., Holborn, E.C.

YOUNG Qualified Junior Assistant wanted November 11; Streatham, Croydon district (London border). Please give full particulars in first instance. 82/7, Office of this Paper.

WHOLESALE

Special Representative required for London by prominent firm manufacturing Medical Specialities; duties would involve propaganda and sales work chiefly with hospitals, including medical staff; previous experience, hospital or representative, an advantage; to a keen man with ability the appointment offers unusual scope. 356/290, Office of this Paper.

WELL-KNOWN London firm requires an additional Representative for Medical and Trade Propaganda; must be well educated, preferably Qualified, possessing a good understanding of Ethical Pharmaceutical methods; please give full particulars of education, experience and attainments. 336/292, Office of this per.

BEAUTY PREPARATIONS

MANUFACTURERS (New York and London) REQUIRE REPRESENTATIVE with established connexion in Birmingham, Bristol, Glasgow, Manchester, Liverpool, Leeds, Leicester, Nottingham, Edinburgh, Aberdeen. Commission basis. References. 336/284, Office of this Paper.

CHEMIST, with thorough knowledge of D.D.A. Regulations, wanted for Poisons Department. Apply with full particulars of experience to Managing Director, United Chemists' Association, Ltd., Cheltenham.

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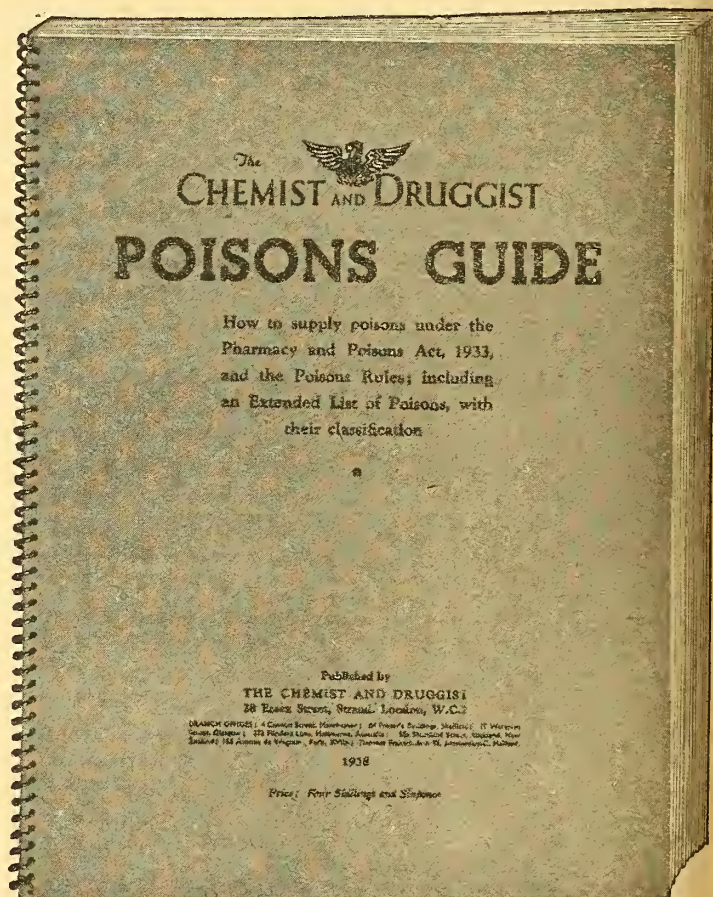
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